MHC-ZX70DVD
HCR-ZX70DVD

SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model
Chinese Model

- MHC-ZX70DVD is composed of following models.
  As for the service manual, it is issued for each component model, then, please refer to it.

COMPONENT MODEL NAME FOR MHC-ZX70DVD

	MHC-ZX70DVD	
	US, CND, AEP, UK	E, AUS, CH
DVD PLAYER RECEIVER SYSTEM	HCD-ZX70DVD	
FRONT SPEAKER SYSTEM	SS-ZX70DVD	SS-ZX70DVDW
CENTER SPEAKER SYSTEM	SS-CT170	
REAR SPEAKER SYSTEM	SS-RS170P	

HCR-ZX70DVD is composed of HCD-ZX70DVD and SS-RC170.
SS-RC170 is composed of SS-CT170 and SS-RS170P.

PARTS LIST

Part No. Description

ACCESSORIES & PACKING MATERIALS
****

1-418-911-11 COMMANDER, STANDARD (RM-SD170)
1-501-374-11 ANTENNA, LOOP (AM)
1-501-804-11 ANTENNA (FM) (AEP, UK, G, AED)
1-501-659-41 ANTENNA (FM) (EXCEPT AEP, UK, G, AED)
1-769-433-21 CORD, SPEAKER (2.5m)

1-769-433-31 CORD, SPEAKER (10m)
1-782-981-21 CORD, CONNECTION (AUDIO)
4-210-254-01 CUSHION (FOOT) (FOR SS-RC170)
4-229-804-11 MANUAL, INSTRUCTION (ENGLISH)
4-229-804-21 MANUAL, INSTRUCTION (FRENCH) (CND, AEP, E, EA)

4-229-804-31 MANUAL, INSTRUCTION (SPANISH) (AEP, E , MX, AR)
4-229-804-41 MANUAL, INSTRUCTION (GERMAN) (AEP, G)
4-229-804-51 MANUAL, INSTRUCTION (DUCH) (AEP)
4-229-804-61 MANUAL, INSTRUCTION (ITALIAN) (AEP)
4-229-804-71 MANUAL, INSTRUCTION (PORTUGUESE) (AEP)

4-229-804-81 MANUAL, INSTRUCTION (ARABIC) (EA)
4-229-804-91 MANUAL, INSTRUCTION (TRADITIONAL CHINESE) (MY, SP, HK, TW)
4-229-805-11 MANUAL, INSTRUCTION (DANISH) (AED)
4-229-805-21 MANUAL, INSTRUCTION (FINNISH) (AED)
4-229-805-31 MANUAL, INSTRUCTION (SWEDISH) (AED)

4-229-805-41 MANUAL, INSTRUCTION (TRADITIONAL CHINESE) (CH)
4-229-805-61 MANUAL, INSTRUCTION (SIMPLIFIED CHINESE) (CH)
4-983-536-31 COVER, BATTERY (FOR RM-SD170)

•Abbreviation

AED : North Europian model
AR : Argentine model
AUS : Australian model
CH : Chinese model
CND : Canadian model
EA : Saudi Arabia model
G : German model
HK : Hong kong model
MX : Mexican model
MY : Malaysia model
SP : Singapore model
TH : Thai model
TW : Taiwan model

MINI Hi-Fi COMPONENT SYSTEM

SONY®

9-929-263-11

Sony Corporation
Audio Entertainment Group

2000F001672-1
Printed in Japan ©2000.6
Published by HA Quality Assurance Dept.

HCD-ZX70DVD

SERVICE MANUAL

Ver 1.2 2001.07

Photo: AEP model

US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model
Chinese Model

HCD-ZX70DVD is the Amplifier, DVD/CD player, Tape Deck and Tuner section in MHC-ZX70DVD.

This stereo system is equipped with the Dolby B-type noise reduction system*.
* Manufactured under license from Dolby Laboratories Licensing Corporation.
DOLBY and the double-D symbol ⧈ are trademarks of Dolby Laboratories Licensing Corporation.

This system incorporates Dolby* Digital and Pro Logic Surround.
* Manufactured under license from Dolby Laboratories.
"Dolby", "AC-3", "Pro Logic" and the double-D symbol ⧈ are trademarks of Dolby Laboratories.
Confidential unpublished Works. © 1992-1997 Dolby Laboratories, Inc. All rights reserved.

DVD Section	Model Name Using Similar Mechanism	NEW
	DVD Mechanism Type	CDM53J-DVBU1
	Base Unit Name	DVBU1
	Optical Pick-up Name	KHM-220AAA
TAPE Section	Model Name Using Similar Mechanism	HCD-ZX30AV
	Tape Transport Mechanism Type	TCM-230AWR12

SPECIFICATIONS

Amplifier section

AUDIO POWER SPECIFICATIONS: (U.S.A. model only)

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:
with 8 ohm loads both channels driven, from 120-10,000 Hz; rates 90 watts per channel minimum RMS power, with no more than 10% total harmonic distortion from 250 milliwatts to rated output.

Total harmonics distortion
Less than 0.07%
(8 ohms at 1 kHz, 50 W)

Center Speaker:
Continuous RMS power output
40 watts
(8 ohms at 1 kHz, 10% THD)

Rear Speaker:
Continuous RMS power output
40 + 40 watts
(8 ohms at 1 kHz, 10% THD)

Canadian model:

Front Speaker:
Continuous RMS power output
100 + 100 watts
(8 ohms at 1 kHz, 10% THD)
Total harmonics distortion
Less than 0.07%
(8 ohms at 1 kHz, 50 W)

Center Speaker:
Continuous RMS power output
40 watts
(8 ohms at 1 kHz, 10% THD)

Rear Speaker:
Continuous RMS power output
40 + 40 watts
(8 ohms at 1 kHz, 10% THD)

European model:

Front Speaker:
DIN power output (rated) 80 + 80 watts
(8 ohms at 1 kHz, DIN)
Continuous RMS power output (reference)
100 + 100 watts
(8 ohms at 1 kHz, 10% THD)
Music power output (reference)
170 + 170 watts
(8 ohms at 1 kHz, 10% THD)

Center Speaker:
DIN power output (rated) 30 watts
(8 ohms at 1 kHz, DIN)
Continuous RMS power output (reference)
40 watts
(8 ohms at 1 kHz, 10% THD)
Music power output (reference)
60 watts
(8 ohms at 1 kHz, 10% THD)

– Continued on next page –

COMPACT DISC DECK RECEIVER

9-929-264-13
2001G0500-1
© 2001.7

Sony Corporation
Home Audio Company
Shinagawa Tec Service Manual Production Group

SONY®

Rear Speaker:

DIN power output (rated) 30 + 30 watts
(8 ohms at 1 kHz, DIN)
Continuous RMS power output (reference)
40 + 40 watts
(8 ohms at 1 kHz,
10% THD)
Music power output (reference)
60 + 60 watts
(8 ohms at 1 kHz,
10% THD)

Other models:

The following measured at AC 120/220/240 V, 50/60 Hz

Front Speaker:

DIN power output (rated) 95 + 95 watts
(8 ohms at 1 kHz, DIN)
Continuous RMS power output (reference)
120 + 120 watts
(8 ohms at 1 kHz,
10% THD)

Center Speaker:

DIN power output (rated) 30 watts
(8 ohms at 1 kHz, DIN)
Continuous RMS power output (reference)
40 watts
(8 ohms at 1 kHz,
10% THD)

Rear Speaker:

DIN power output (rated) 30 + 30 watts
(8 ohms at 1 kHz, DIN)
Continuous RMS power output (reference)
40 + 40 watts
(8 ohms at 1 kHz,
10% THD)

Inputs

VIDEO (AUDIO) IN:	voltage 250 mV,
(phono jacks)	impedance 47 kilohms
MD IN:	voltage 450 mV,
(phono jacks)	impedance 47 kilohms
MIC:	sensitivity 1 mV,
(mini jack)	impedance 10 kilohms
(Asian model only)	

Outputs

MD OUT:	voltage 250 mV
(phono jacks)	impedance 1 kilohms
VIDEO OUT:	max. output level
(phono jack)	1Vp-p, unbalanced, Sync negative, load impedance 75 ohms
S-VIDEO OUT:	Y: 1Vp-p, unbalanced,
(4-pin/mini-DIN jack)	Sync negative, C: 0.286Vp-p, load impedance 75 ohms
PHONES:	accepts headphones of
(stereo mini jack)	8 ohms or more
FRONT SPEAKER:	accepts impedance of 8 to 16 ohms
REAR SPEAKER:	accepts impedance of 8 to 16 ohms
CENTER SPEAKER:	accepts impedance of 8 to 16 ohms
WOOFER OUT:	Voltage 1 V, impedance 1 kilohms

DVD player section

Laser	Semiconductor laser
Frequency response	DVD (PCM 48 kHz): 2 Hz – 22 kHz = (±1 dB)
	CD: 2Hz – 20 kHz = (±1 dB)
Signal-to-noise ratio	More than 90 dB
Dynamic range	More than 90 dB
Video color system format	NTSC, PAL

DIGITAL OUT OPTICAL
(Square optical connector jack, rear panel)

Wavelength	660 nm
Output Level	–18 dBm

Tape player section

Recording system	4-track 2-channel stereo
Frequency response	40 – 13,000 Hz (±3 dB),
(DOLBY NR OFF)	using Sony TYPE I cassette
	40 – 14,000 Hz (±3 dB), using Sony TYPE II cassette

Tuner section

FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range

North American model:	87.5 – 108.0 MHz (100 kHz step)
Other models:	87.5 – 108.0 MHz (50 kHz step)
Antenna	FM antenna
Antenna terminals	75 ohm unbalanced
Intermediate frequency	10.7 MHz

AM tuner section

Tuning range

North American model:	530 – 1,710 kHz (with the interval set at 10 kHz)
	531 – 1,710 kHz (with the interval set at 9 kHz)
European and Middle Eastern models:	
	531 – 1,602 kHz (with the interval set at 9 kHz)
Other models:	531 – 1,602 kHz (with the interval set at 9 kHz)
	530 – 1,710 kHz (with the interval set at 10 kHz)
Antenna	AM loop antenna
Antenna terminals	External antenna terminal
Intermediate frequency	450 kHz

General

Power requirements

North American model:	120 V AC, 60 Hz
European model:	230 V AC, 50/60 Hz
Australian model:	230 – 240 V AC, 50/60 Hz
Mexican model:	120 V AC, 60 Hz
Thai and Chinese models:	220 V AC, 50/60 Hz
Other models:	120 V, 220 V or 230 – 240 V AC, 50/60 Hz Adjustable with voltage selector

Power consumption

North American model:	220 watts
European model:	220 watts
Other models:	230 watts

Dimensions (w/h/d) Approx. 250 x 375 x 395 mm

Mass

North American model:	Approx. 13.2 kg
European model:	Approx. 13.0 kg
Other models:	Approx. 13.5 kg

Design and specifications are subject to change without notice.

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与安全有关的零部件须知

在原理图上用阴影及⚠标记来识别的零部件在安全操作上是具有关键性的。这些零部件要用本手册中所示的部件号对应的索尼零部件进行更换。

在安全操作上具有关键性的电路调整与索尼公司出版的维修手册完全一致。在更换关键零部件时或怀疑动作失常时，请进行这些调整操作。

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage.
Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes.). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers’ instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The “limit” indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

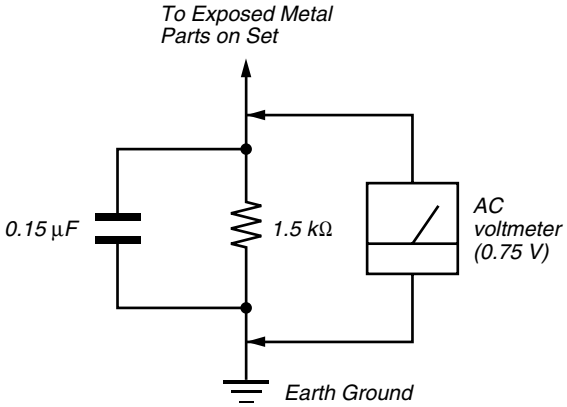


Fig. A. Using an AC voltmeter to check AC leakage.

Notes on chip component replacement

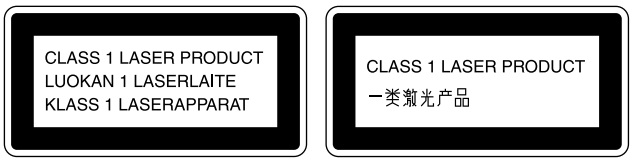
- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270 ˚C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

CAUTION
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

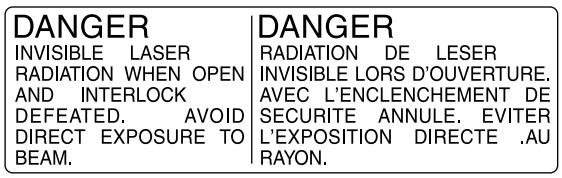
This appliance is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.



Laser component in this product is capable of emitting radiation exceeding the limit for Class 1.

The following caution label is located inside the unit.

CAUTION : INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.
ADVARSEL : USYNLIG LASERSTRÅLING VED ÅBNING NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSAETTELSE FOR STRÅLING.
VORSICHT : UNSICHTBARE LASERSTRAHLUNG. WENN ABDECKUNG GEÖFFNET UND SICHEREITSVERRIEGELUNG ÜBERBRÜCKT. NICHT DEM STRAHL AUSSETZEN.
VARO! : AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.
VARNING : OSYNLING LASERSTRÅLING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRREN ÄR URKOPPLAD. BETRAKTA EJ STRÅLEN.
ADVERSEL : USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES OG SIKKERHEDSLÅS BRYTES. UNNGÅ EKSPONERING FOR STRÅLEN.
VIGYAZAT! : A BURKOLAT NYITÁSAKOR LÁTHATATLAN LÉZERSUGÁRVESZÉLY! KERÜLJE A BESUGÁRZÁST!


DANGER
INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED. AVOID DIRECT EXPOSURE TO BEAM.
DANGER
RADIATION DE LESER INVISIBLE LORS D'OUVERTURE. AVEC L'ENCLENCHEMENT DE SECURITE ANNULE. EVITER L'EXPOSITION DIRECTE .AU RAYON.

SECTION 1
SERVICING NOTES

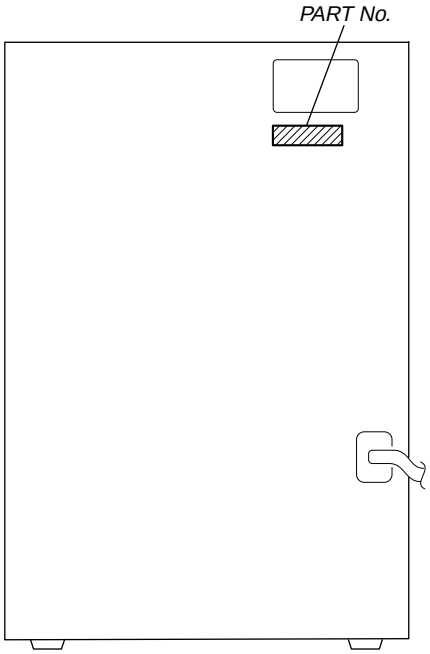
NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic break-down because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic break-down and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

NOTES ON LASER DIODE EMISSION CHECK

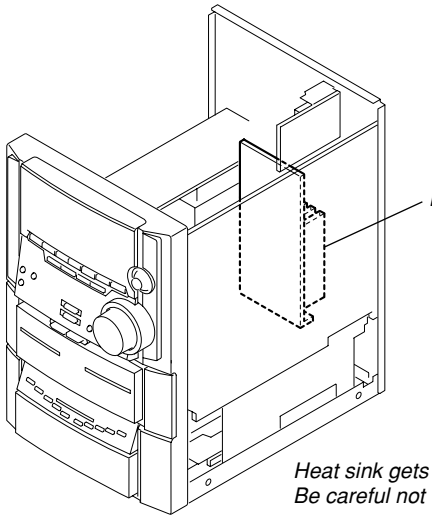
The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

MODEL IDENTIFICATION
– Back Panel –



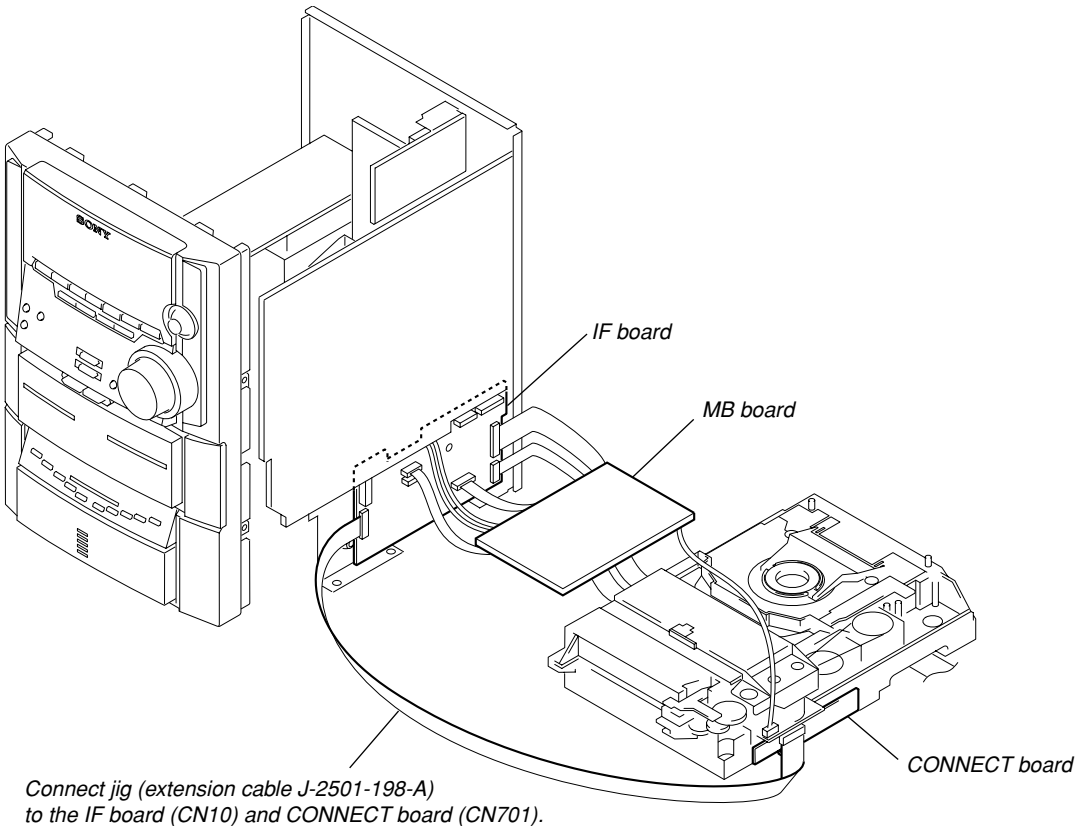
MODEL	PART No.
US model	4-227-558-0
Canadian model	4-227-558-1
AEP, UK, German and North European models	4-227-558-2
Saudi Arabia model	4-227-559-0
Malaysia and Singapore models	4-227-559-1
E model	4-227-559-2
Mexican model	4-227-559-3
Hong Kong model	4-227-559-4
Australian model	4-227-559-5
Thai model	4-227-559-6
Argentine model	4-227-559-7
Chinese model	4-227-559-8
Taiwan model	4-227-559-9

NOTE ON TEMPERATURE OF HEAT SINK



Heat sink gets heated up to a high temperature.
Be careful not to get burnt.

SERVICE POSITION
In checking the DVD block, prepare jig (extension cable J-2501-198-A: 700 mm 17 cores).

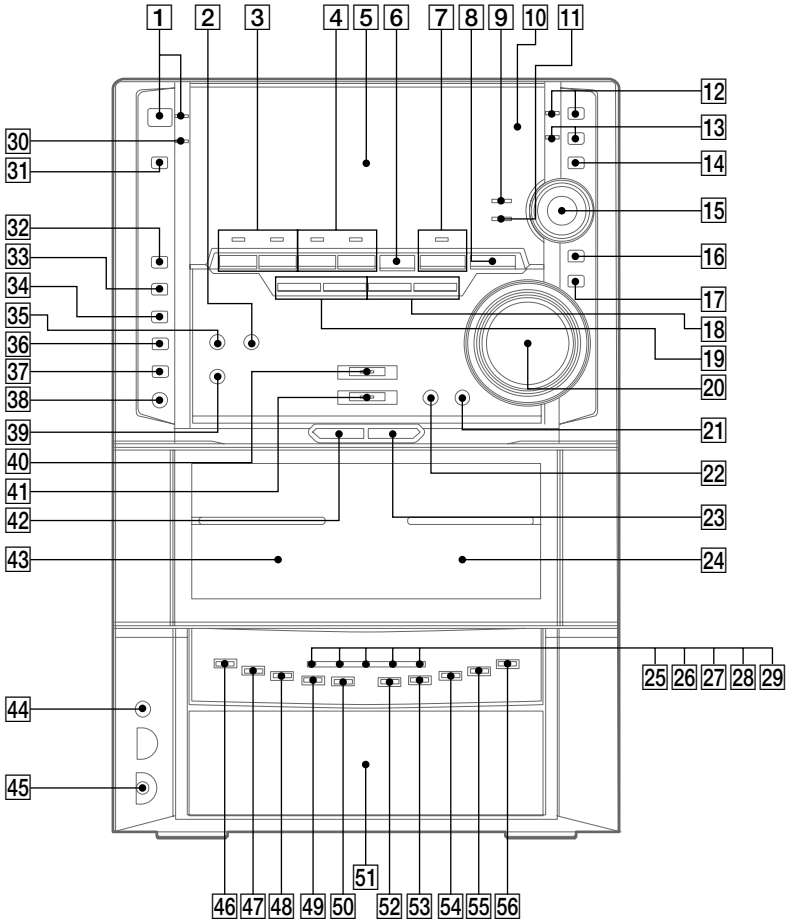


Connect jig (extension cable J-2501-198-A)
to the IF board (CN10) and CONNECT board (CN701).

SECTION 2
GENERAL

LOCATION OF CONTROLS

- **Front View**



1 I/⏻ button and indicator
2 CD SYNC button
3 TAPE A ◄/► buttons and indicators
4 TAPE B ◄/► buttons and indicators
5 Fluorescent indicator tube
6 ■ button
7 DVD ►II button and indicator
8 TUNER/BAND button
9 SET UP MODE indicator
10 Remote sensor
11 SOUND MODE indicator
12 DSP button and indicator
13 V-GROOVE button and indicator
14 MODE SELECT button
15 PUSH ENTER multi stick
16 TITLE button
17 DVD MENU button
18 ◄◄, ►► buttons
19 I◄◄, ►►I buttons
20 VOLUME knob
21 GROOVE button and indicator
22 GROOVE-EX button and indicator
23 ⏏ B button
24 Tape B deck
25 Disc 1 indicator
26 Disc 2 indicator
27 Disc 3 indicator
28 Disc 4 indicator
29 Disc 5 indicator
30 TIMER SELECT indicator
31 DISPLAY button
32 FUNCTION button
33 SELECT button
34 RETURN button
35 HI-DUB button
36 NEXT button
37 PREVIOUS button
38 PHONES jack
39 REC PAUSE/START button and indicator
40 PRO LOGIC button and indicator
41 DVD 5.1CH button and indicator
42 ⏏ A button
43 Tape A deck
44 MIC VOL knob
(EA, MY, SP, HK, TH, TW, CH)
45 MIC jack (EA, MY, SP, HK, TH, TW, CH)
46 DISC 1 button
47 DISC 2 button
48 DISC 3 button
49 DISC 4 button
50 DISC 5 button
51 Disc tray
52 ⏏ 1 button
53 ⏏ 2 button
54 ⏏ 3 button
55 ⏏ 4 button
56 ⏏ 5 button

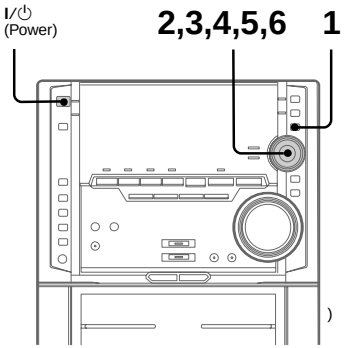
- Abbreviation
  CH : Chinese model
  EA : Saudi Arabia model
  MY : Malaysia model
  HK : Hong Kong model
  SP : Singapore model
  TH : Thai model
  TW : Taiwan model

Step 3: Setting the time

You must set the time before using the timer functions.

The clock is on a 24-hour system for the European model, and on a 12-hour system for other models.

For illustration purposes, the 12-hour system model is used.



1 Press MODE SELECT when the system is turned off.

"Clock Set ?" appears.
When the system is in the Power Saving Mode, "Clock Set ?" will not appear. Either set Power Saving Mode off, or follow the steps on this page ("To change the time") after turning the power on.

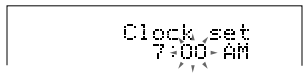
2 Press PUSH ENTER.

The hour indication flashes.

3 Move the multi stick toward ↑ or ↓ repeatedly to set the hour.

4 Move the multi stick toward →.

The minute indication flashes.



5 Move the multi stick toward ↑ or ↓ repeatedly to set the minute.

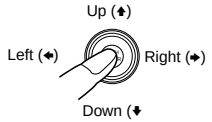
6 Press PUSH

To cancel the menu operation

Press MODE SELECT.

Tips

- Refer to the illustration to use the multi stick. Place your finger on the center of the multi stick and move in the direction you want (up/down or left/right shown ↑/↓ or ←/→ in this manual).



- All of the functions that use the multi stick can also be performed using ↑/↓/←/→ and ENTER on the remote.
- If you've made a mistake, start over from step 1.

To change the time

The previous explanation shows you how to set the time while the power is off. To change the time while the power is on, do the following:

1 Press MODE SELECT repeatedly to select "Set Up Mode", then press PUSH ENTER.
2 Move the multi stick toward ← or → repeatedly to select "Timer Set Up ?", then press PUSH ENTER.
3 Move the multi stick toward ← or → repeatedly to select "Clock Set ?", then press PUSH ENTER.
4 Perform steps 3 through 6 on this page.

Note

The clock settings are canceled when you disconnect the power cord or if a power failure occurs.

Parts Identification for the remote

You can also operate the system with the supplied remote.

* You can operate with the remote only.
** These buttons do not operate when the function is set to "DVD".

TV

Remote Button(s)	Function
TV I/⏻*	Turn the TV on or off.
TV/VIDEO*	Switch the TV's video input.
TV CH +/–*	Change the TV channels.
TV VOL +/–*	Adjusts the volume of the TV speaker(s).

TUNER

Remote Button(s)	Function
TUNER/BAND	Selects FM or AM.
⏮/⏭ (+, –)	Selects a preset number.
◀◀/▶▶	Scans for a station or selects a preset station.
numeric buttons >10*	Select a preset number.

continued

Parts Identification for the remote (continued)

DVD/VIDEO CD/CD

Remote Button(s)	Function
DVD ▶	Starts playback.
■	Stops playback.
❚❚	Pauses playback.
⏮/⏭ (PREV/NEXT)	Selects a chapter or track. For VIDEO CD, use NEXT to see the rest of the menu, and use PREV to go back to the top of the menu.
◀◀/▶▶	Locates a desired point in a track.
STEP ◀II/II▶*	Performs frame by frame playback of DVD and VIDEO CD.
SLOW ◀I/I▶*	Performs slow playback of DVD and VIDEO CD.
D.SKIP	Exchanges discs.
Numeric buttons*	Use for the menu operations.
DVD SETUP*	Displays the setup display on the TV screen.
RETURN↩	Returns to previously selected screen.
AUDIO*	Changes the audio sound track.
ANGLE*	Changes the angles when playing a DVD.
SUBTITLE*	Changes the subtitle language.
TITLE	Displays the title menu on the TV screen.
DVD MENU	Displays the DVD menu on the TV screen.
DVD DISPLAY*	Displays the control menu screens.
DISPLAY	Changes the front panel display.

TAPE

Remote Button(s)	Function
TAPE A ◀I▶ TAPE B ◀I▶	Starts playback. Each time you press this button, the tape reverses direction.
■	Stops playback.
⏮/⏭	Searches for the beginning of a Track (AMS: Automatic Music Sensor).
◀◀/▶▶	Fast-forwards or rewinds.

TIMER

Remote Button(s)	Function
SLEEP*	Selects a sleep timer.

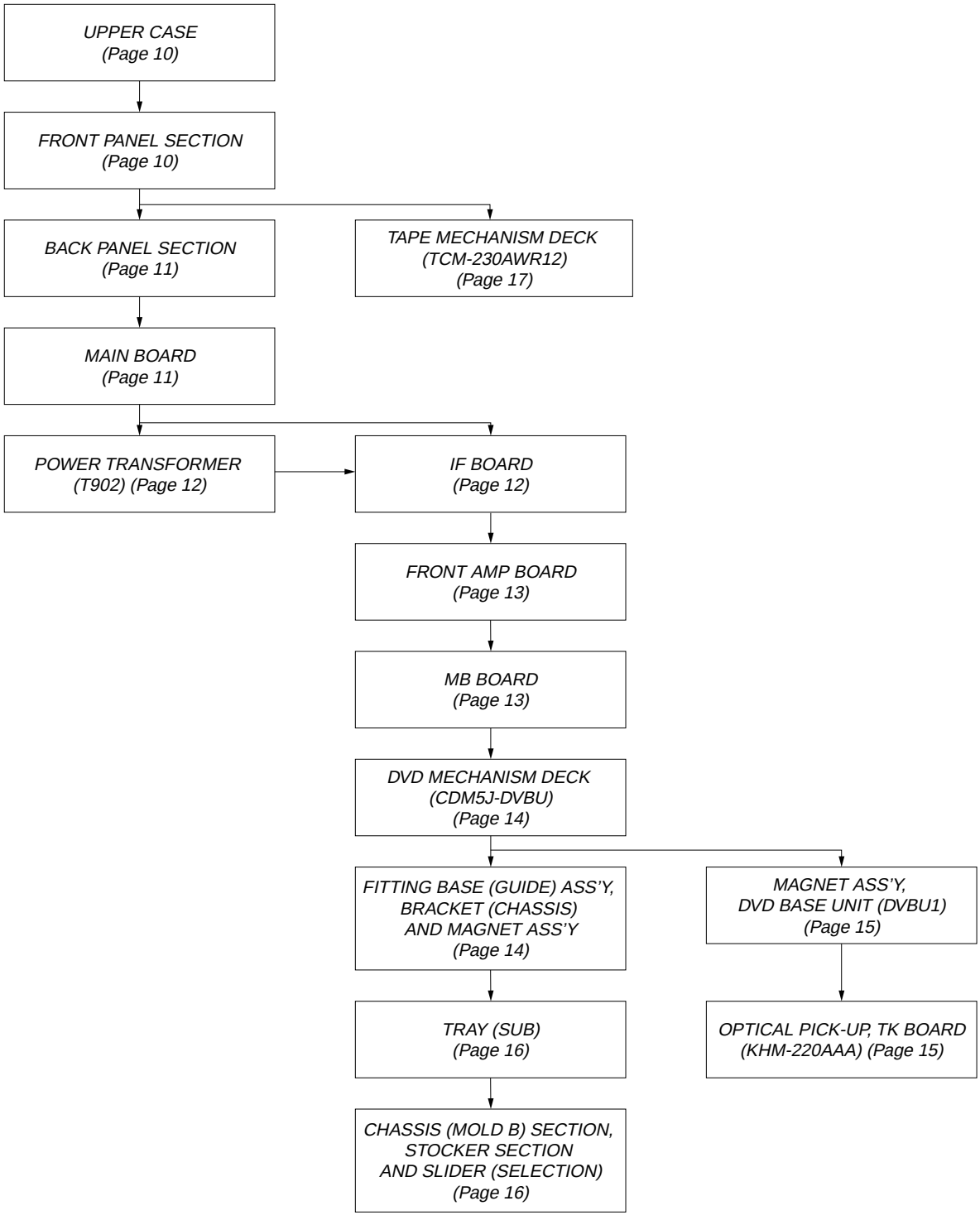
OTHERS

Remote Button(s)	Function
I/⏻	Turns the system on or off.
VOL +/–	Adjusts the volume.
←/→/↑/↓ ENTER	Use to select menu and adjust the settings.
FUNCTION	Selects the function.
CLEAR*	Restores a setting to the factory preset.
MODE SELECT	Enters the menu mode.
FILE SELECT	Selects the preset audio effect file.
MD*	Press to listen to the connected MD deck.
VIDEO*	Press to listen to the connected VCR.
MULTI/2CH	Press to switch between multi channel and stereo audio.
PRO LOGIC ON/OFF	Activates the Pro Logic effects.
T.TONE ON/OFF*,**	Use to test each speaker's volume.
DSP	Activates the surround effects.
CENTER LEVEL +/–*,**	Adjusts the center speaker level.
REAR LEVEL +/–*,**	Adjusts the rear speaker level.

This section is extracted from instruction manual.

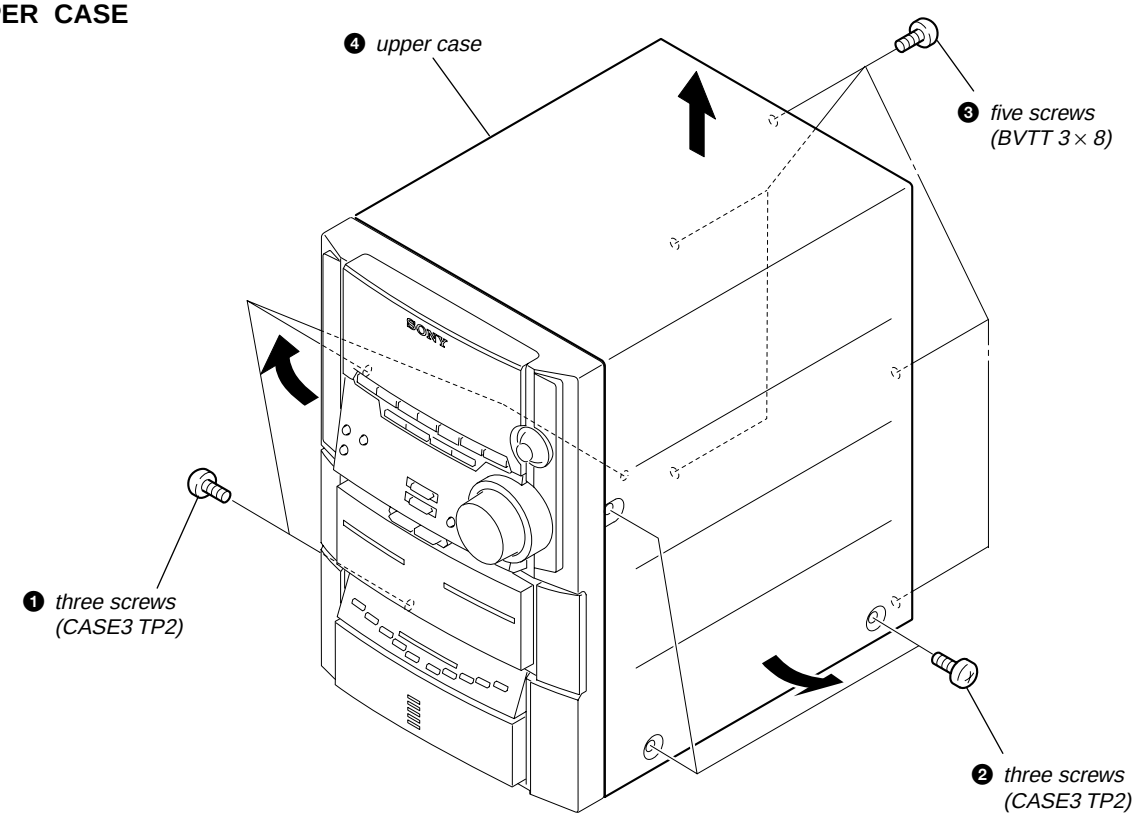
SECTION 3
DISASSEMBLY

- This set can be disassembled in the order shown below.

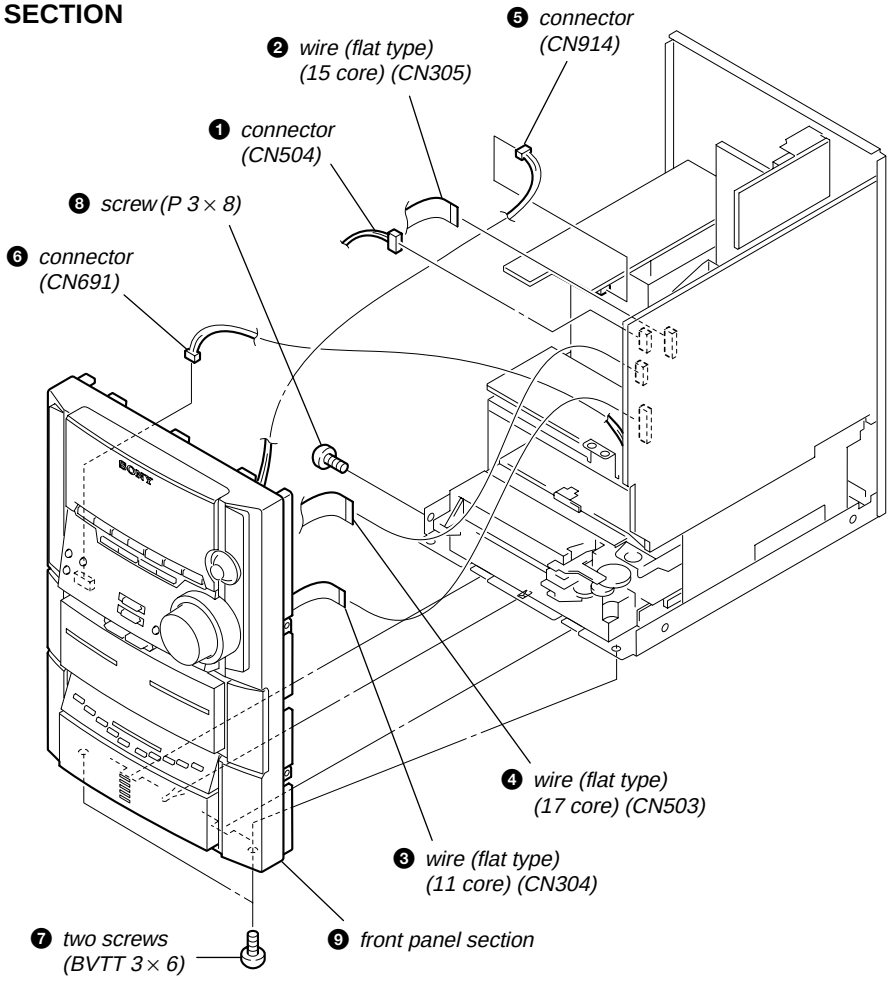


Note: Follow the disassembly procedure in the numerical order given.

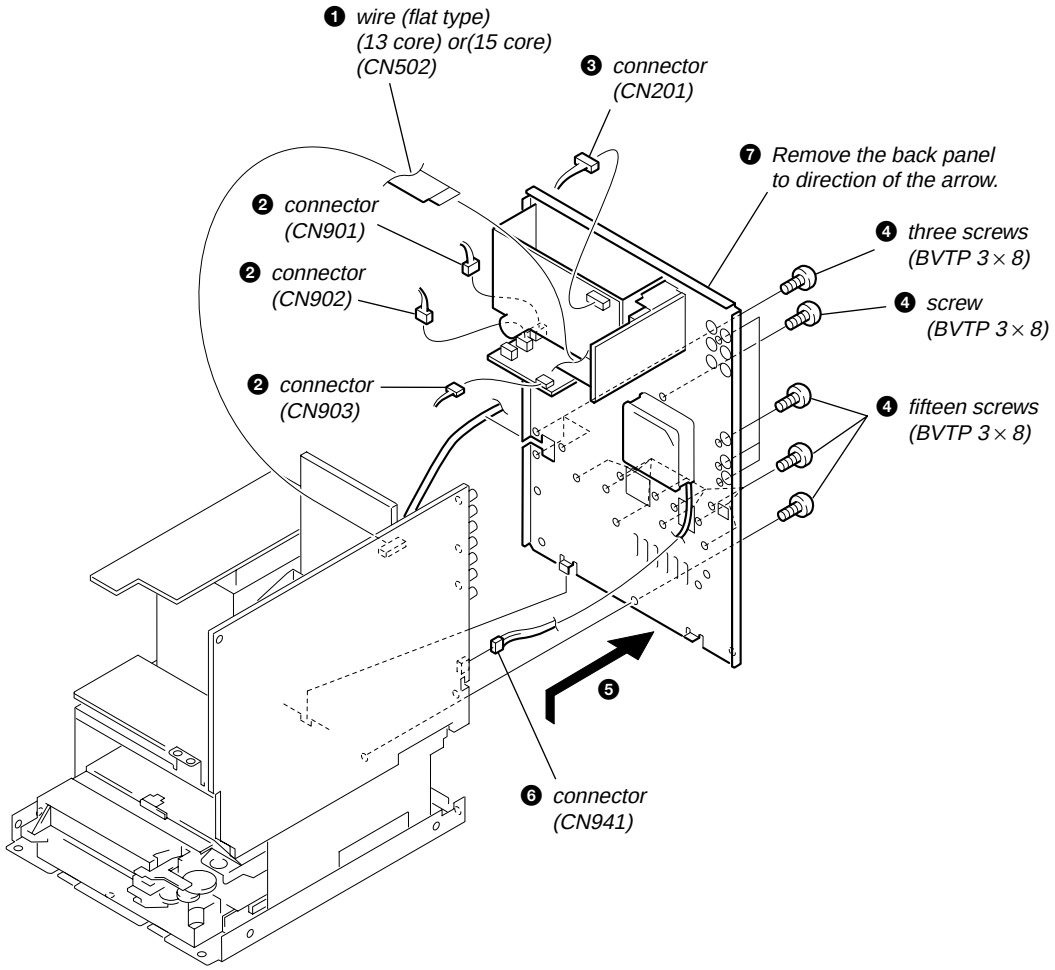
UPPER CASE



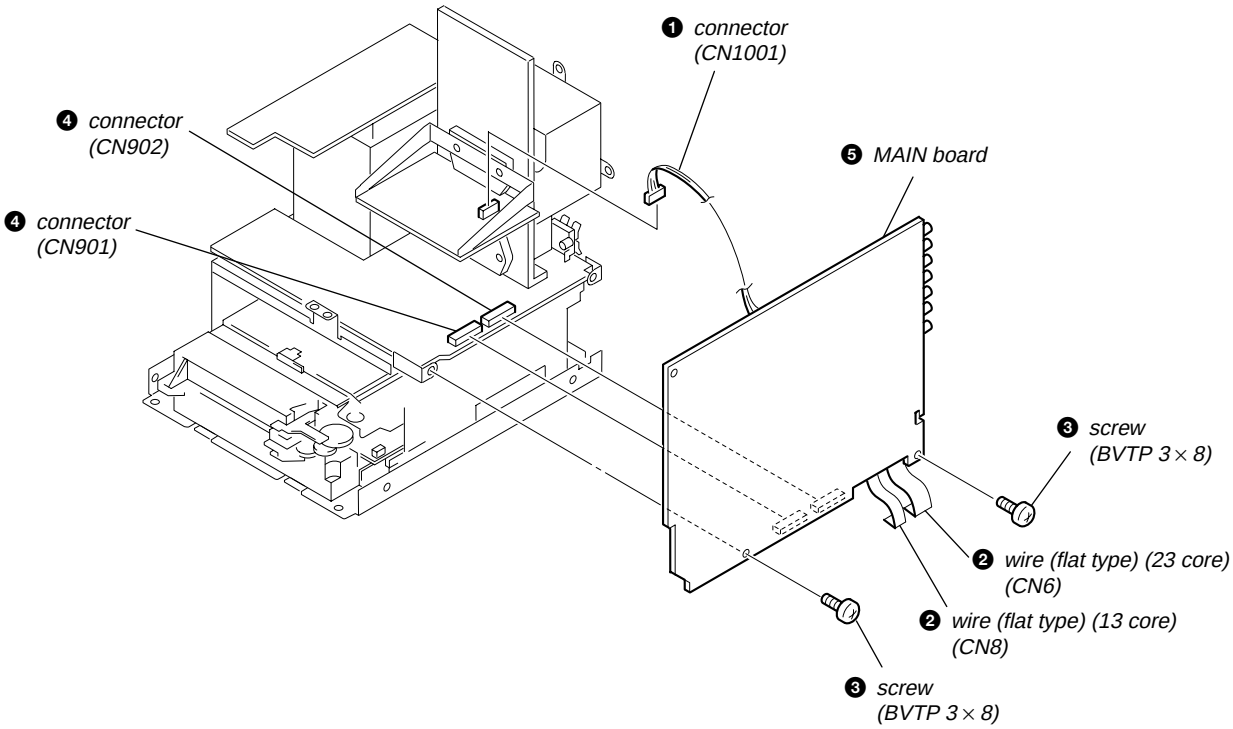
FRONT PANEL SECTION



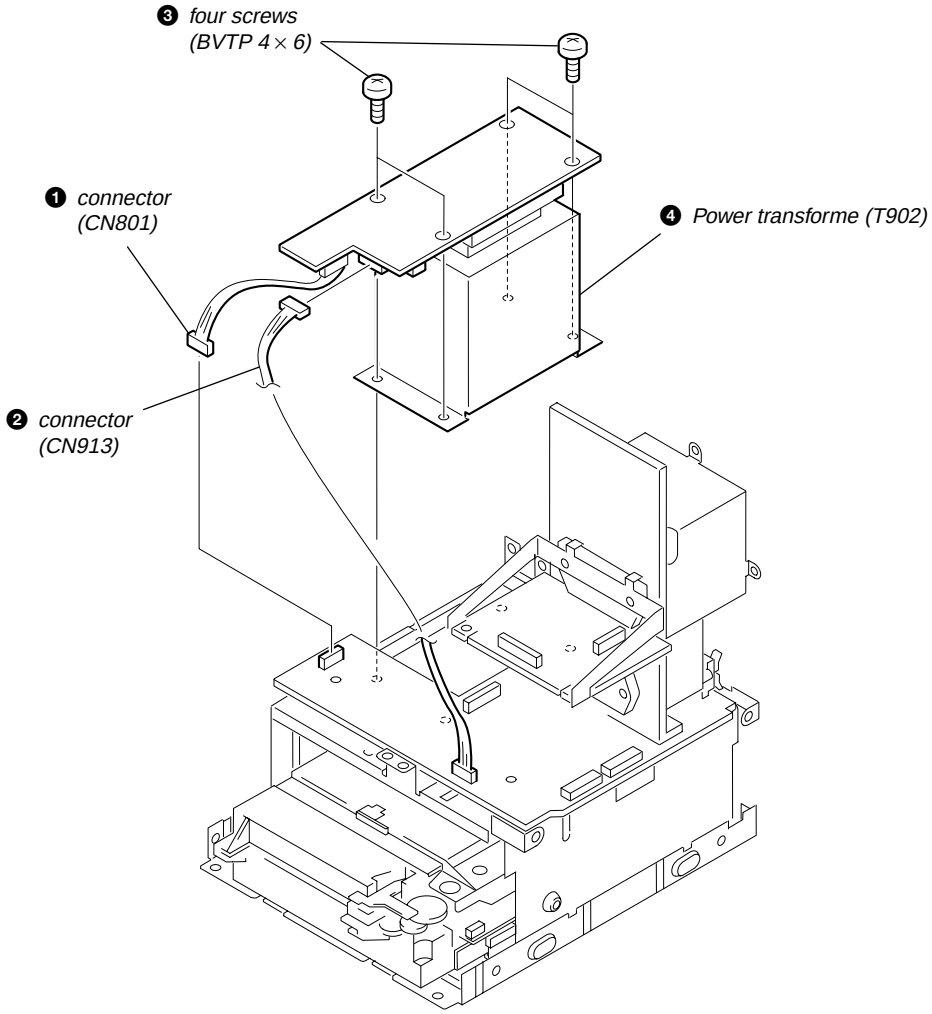
BACK PANEL SECTION



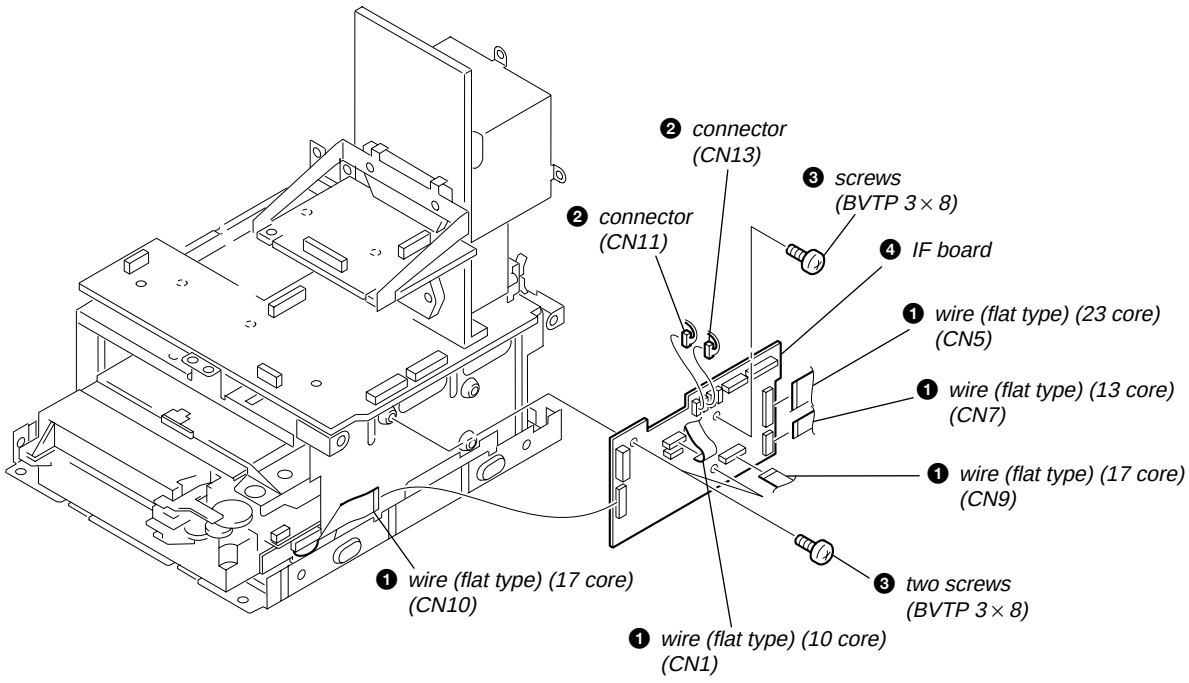
MAIN BOARD



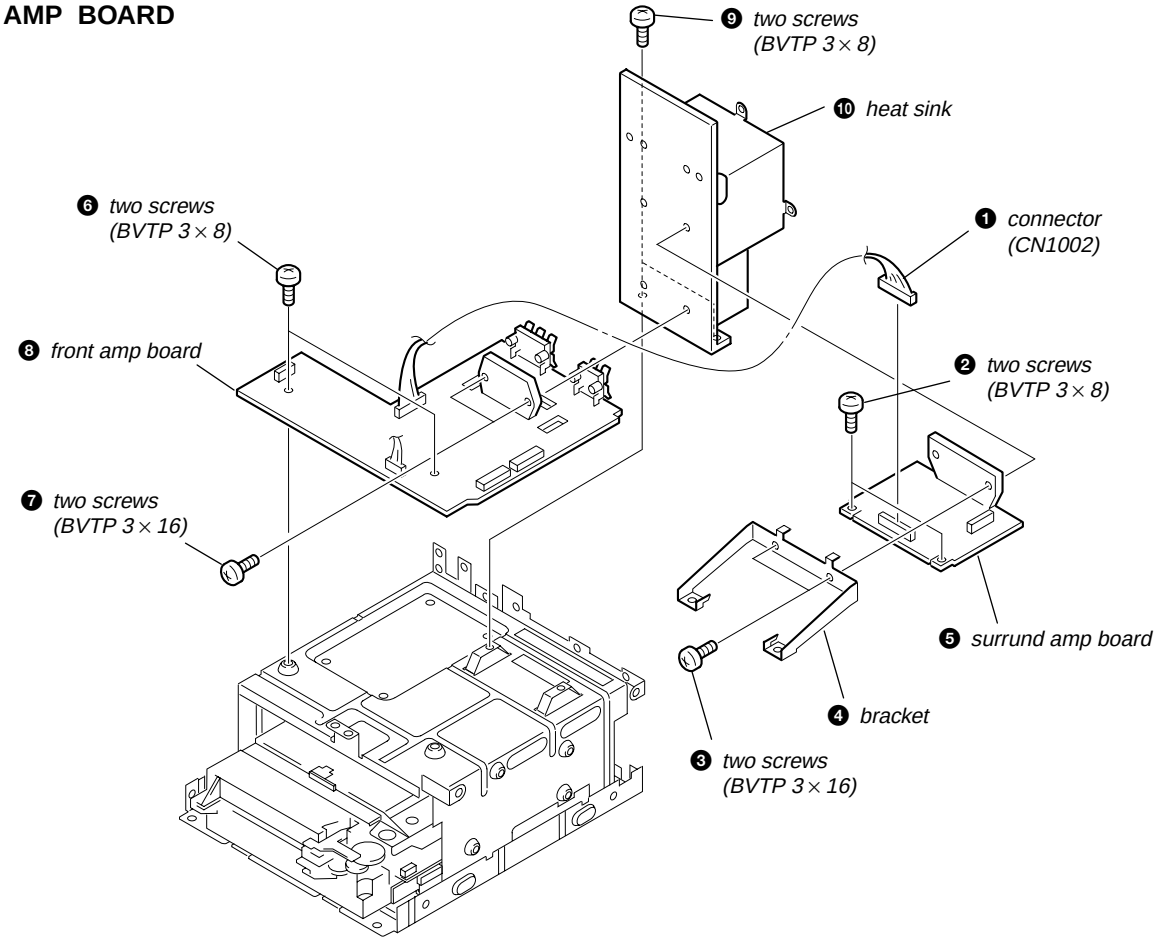
POWER TRANSFORMER (T902)



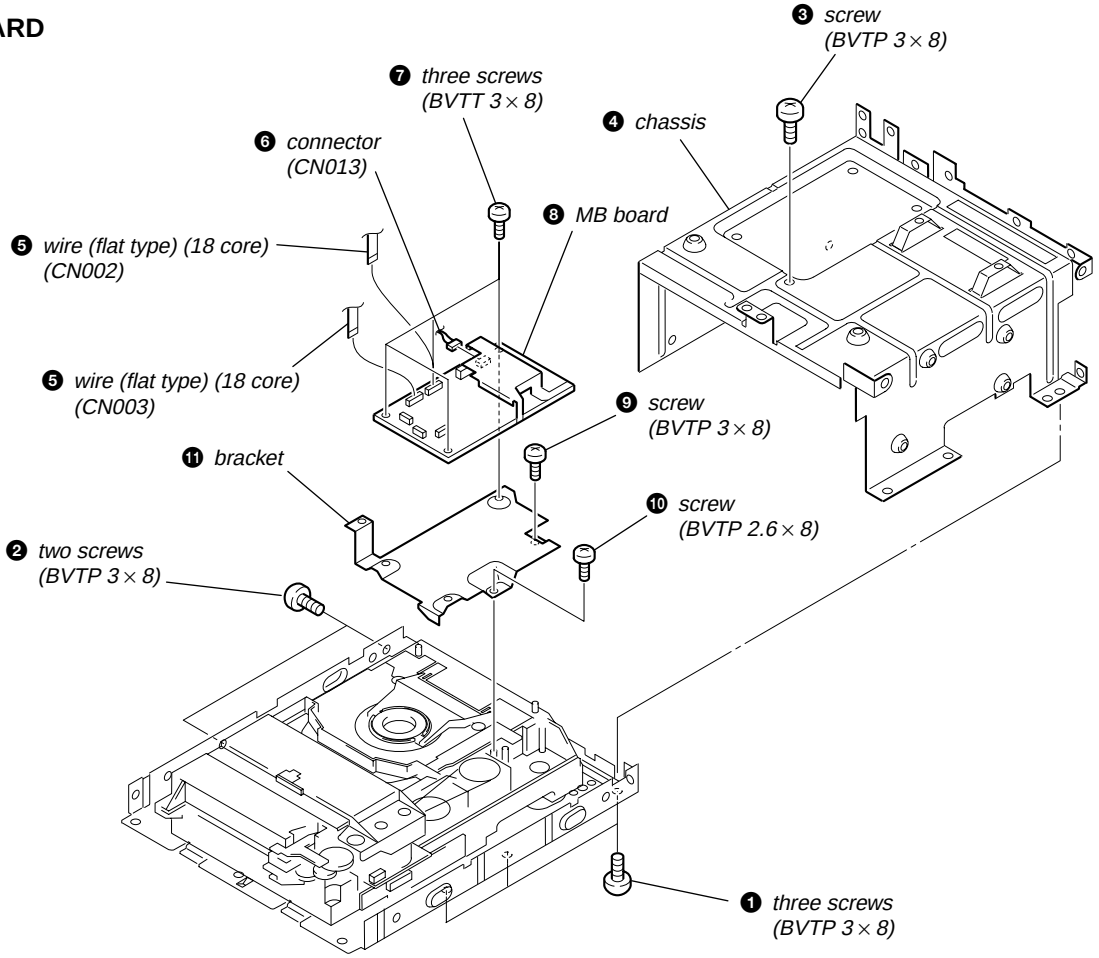
IF BOARD



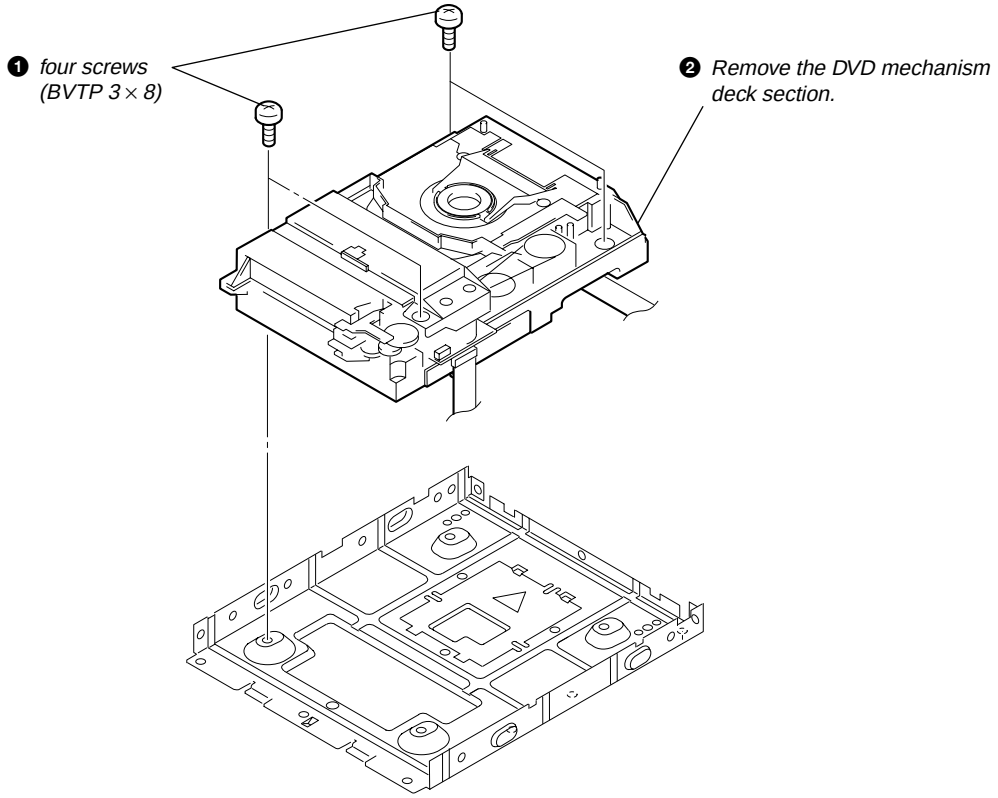
FRONT AMP BOARD



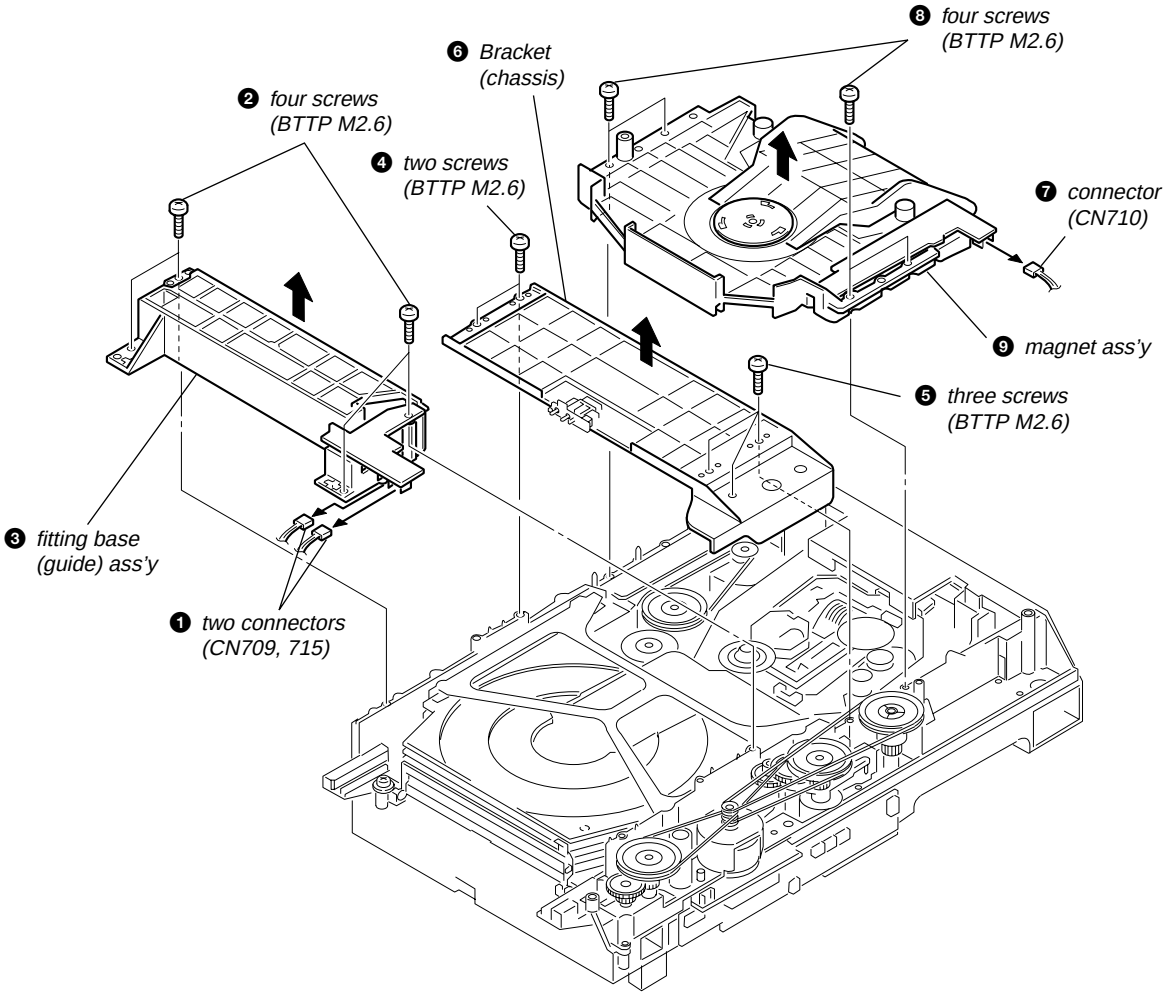
MB BOARD



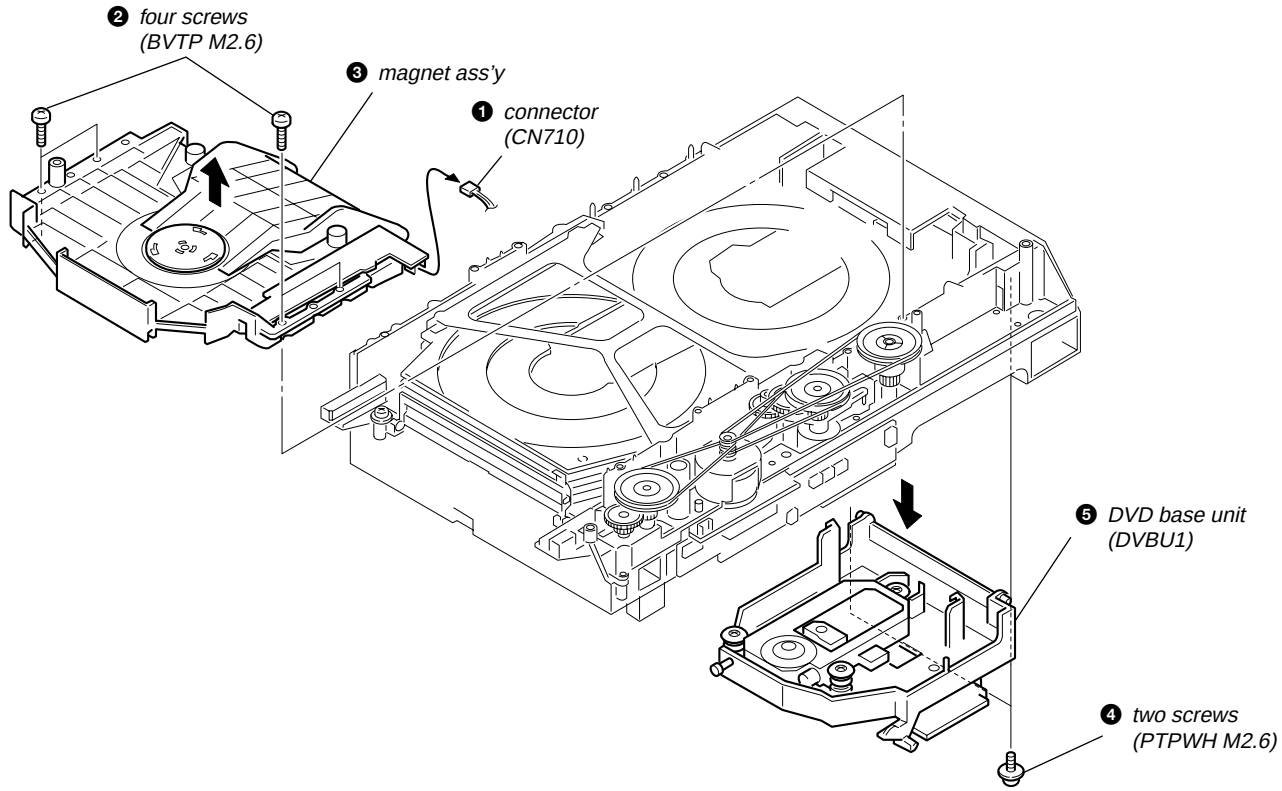
DVD MECHANISM DECK (CDM5J-DVBU)



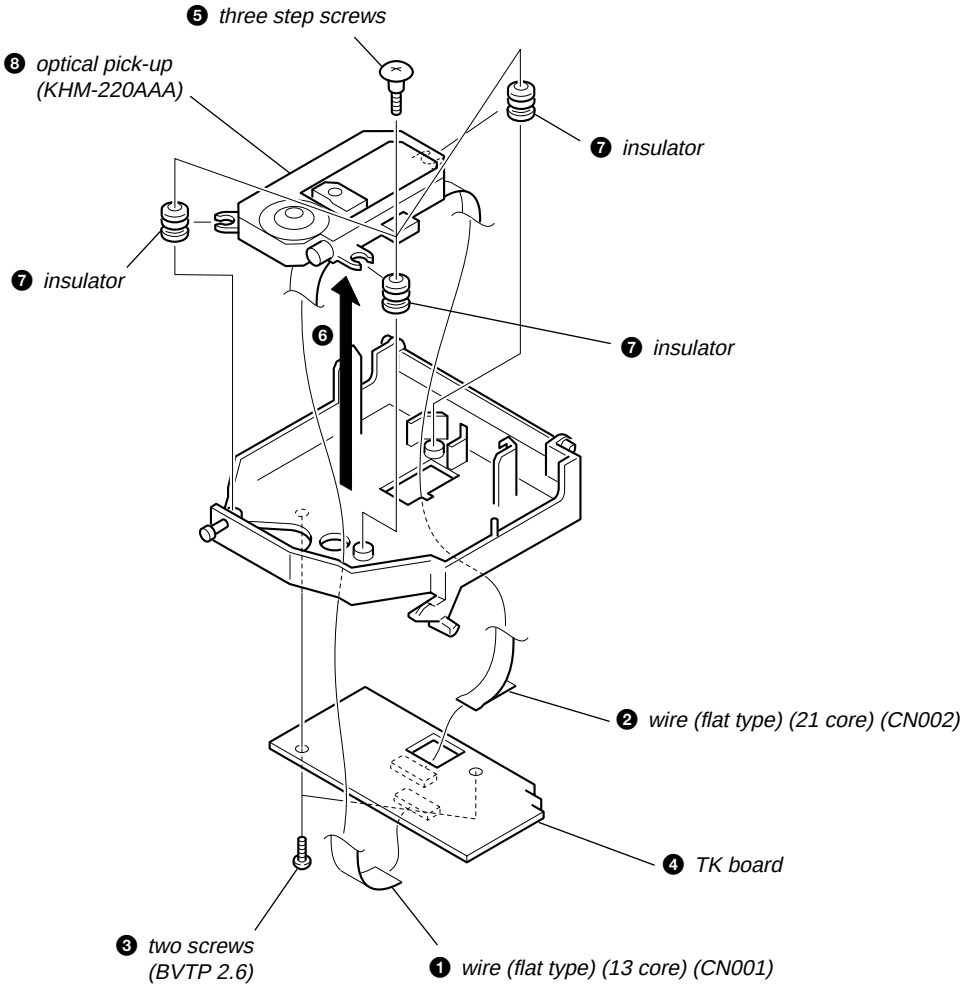
FITTING BASE (GUIDE) ASS'Y, BRACKET (CHASSIS) AND MAGNET ASS'Y



MAGNET ASS'Y, DVD BASE UNIT (DVBU1)

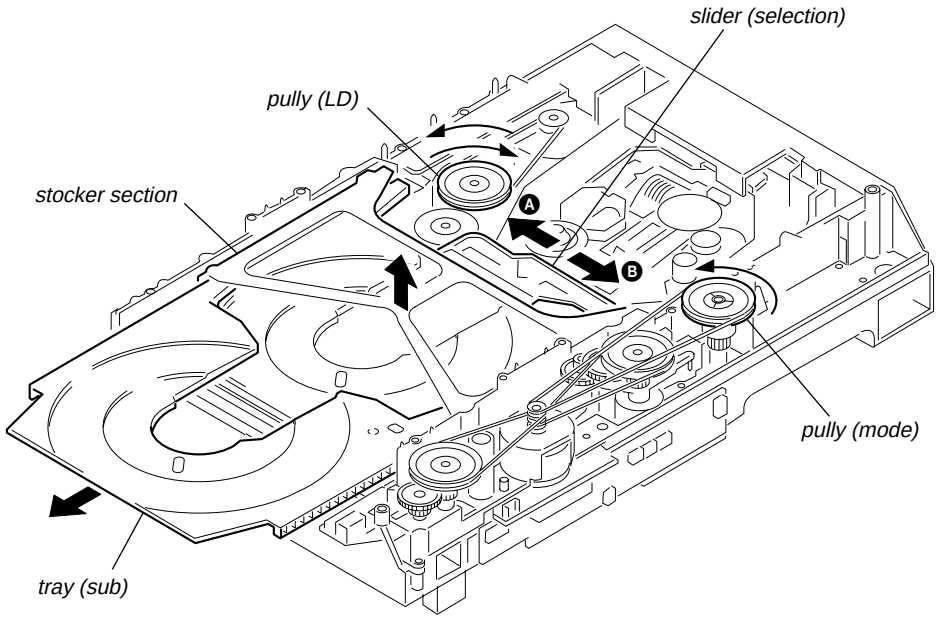


OPTICAL PICK-UP (KHM-220AAA), TK BOARD

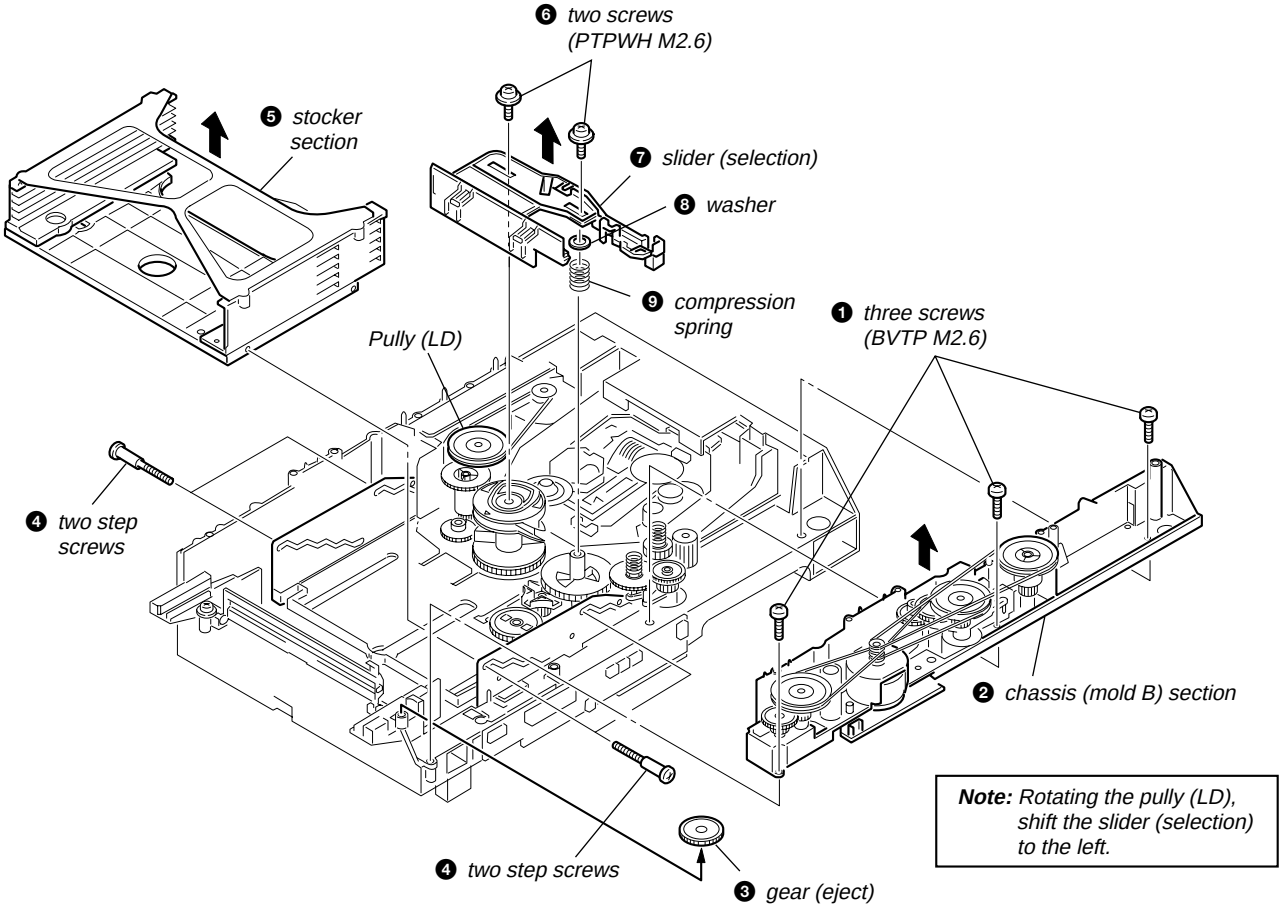


TRAY (SUB)

❶ *Rotating the pulley (LD), shift the slider (selection) in the arrow Ⓐ direction.*
❷ *Rotating the pulley (mode) in the arrow direction, adjust the tray (sub) to be removed.*
❸ *Rotating the pulley (LD), shift the slider (selection) in the arrow Ⓑ direction.*
❹ *Rotating the pulley (mode) in the arrow direction, remove the tray (sub) to be removed.*

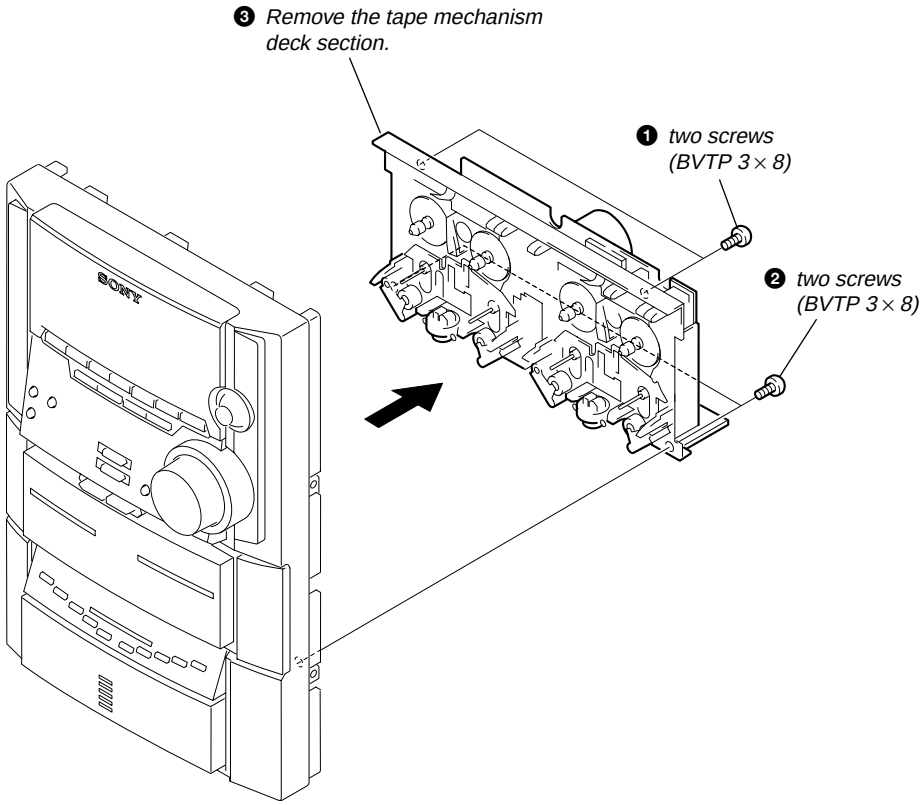


CHASSIS (MOLD B) SECTION, STOCKER SECTION AND SLIDER (SELECTION)



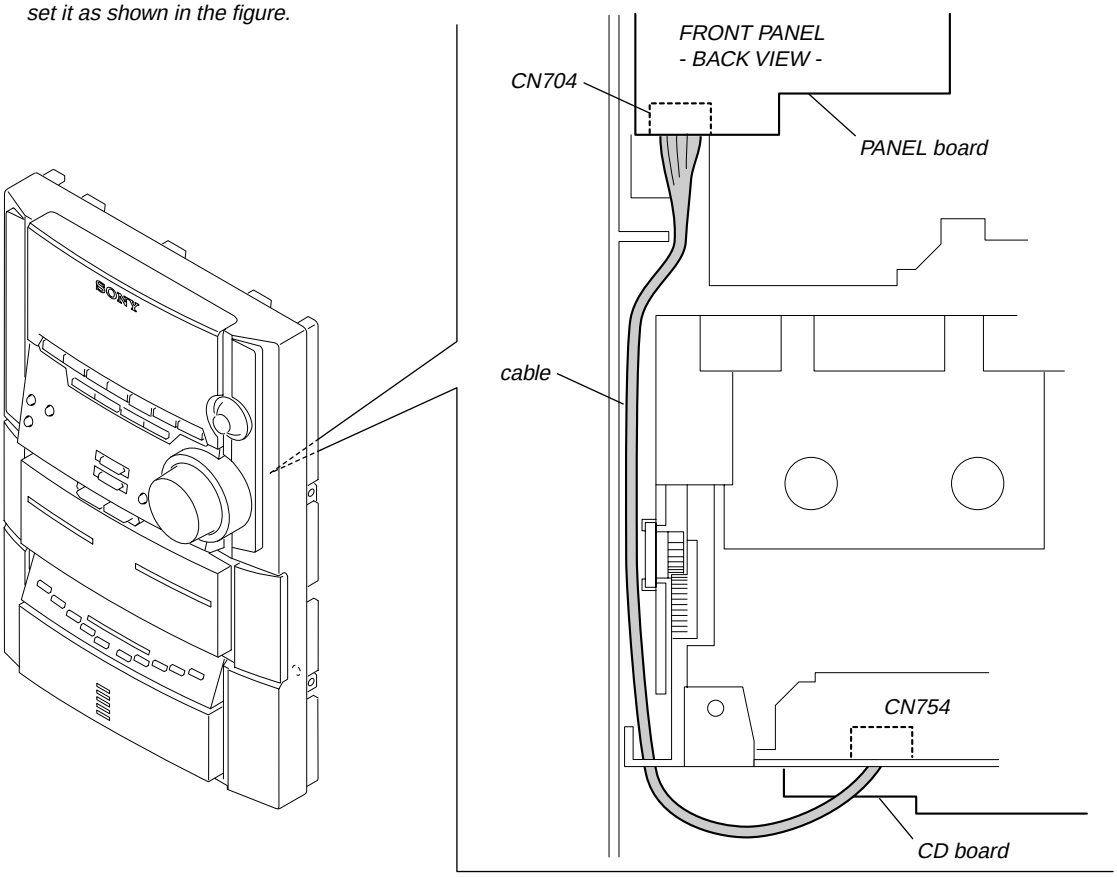
Note: *Rotating the pully (LD), shift the slider (selection) to the left.*

TAPE MECHANISM DECK (TCM-230AWR12)



CABLE SETTING

When connecting the cable from PANEL board (CN704) to CD board (CN754), set it as shown in the figure.



SECTION 4
ASSEMBLY

GEARS INSTALLATION (Page 18)

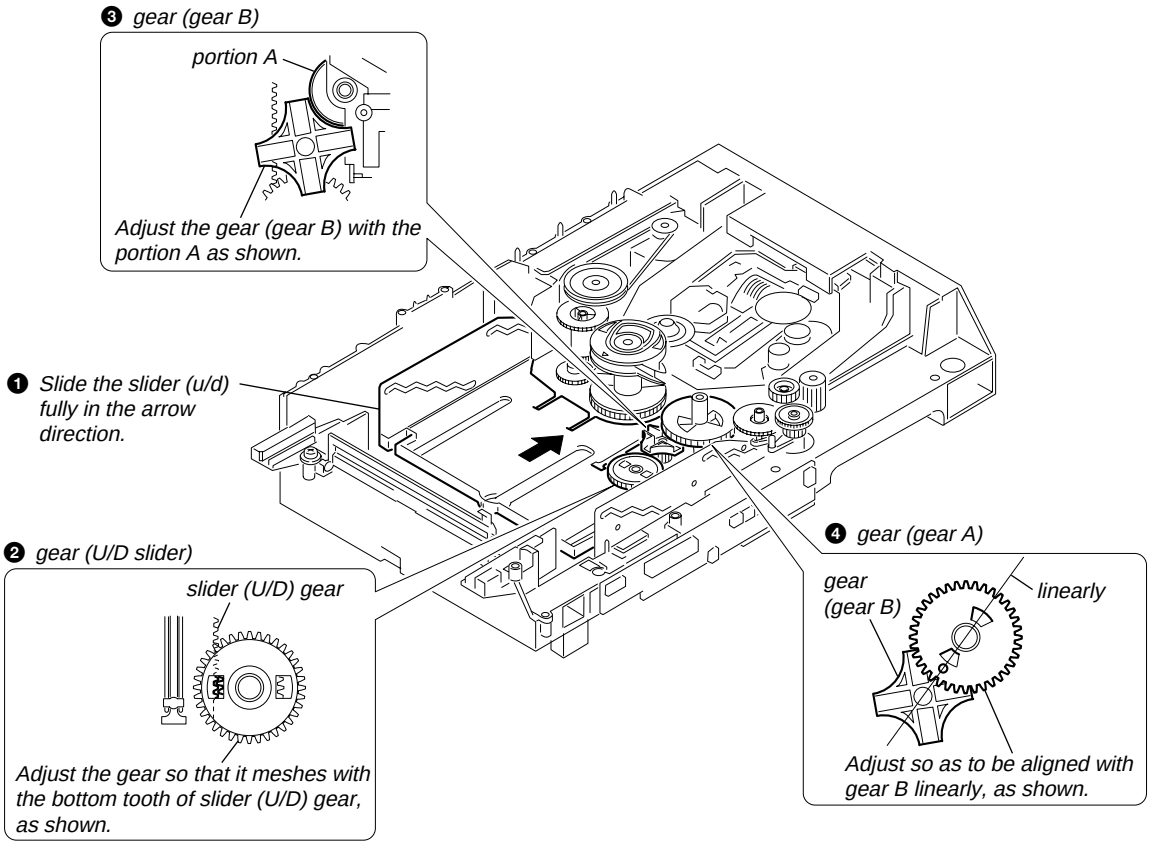
SLIDER (SELECTION) INSTALLATION (Page 19)

STOCKER SECTION INSTALLATION (Page 19)

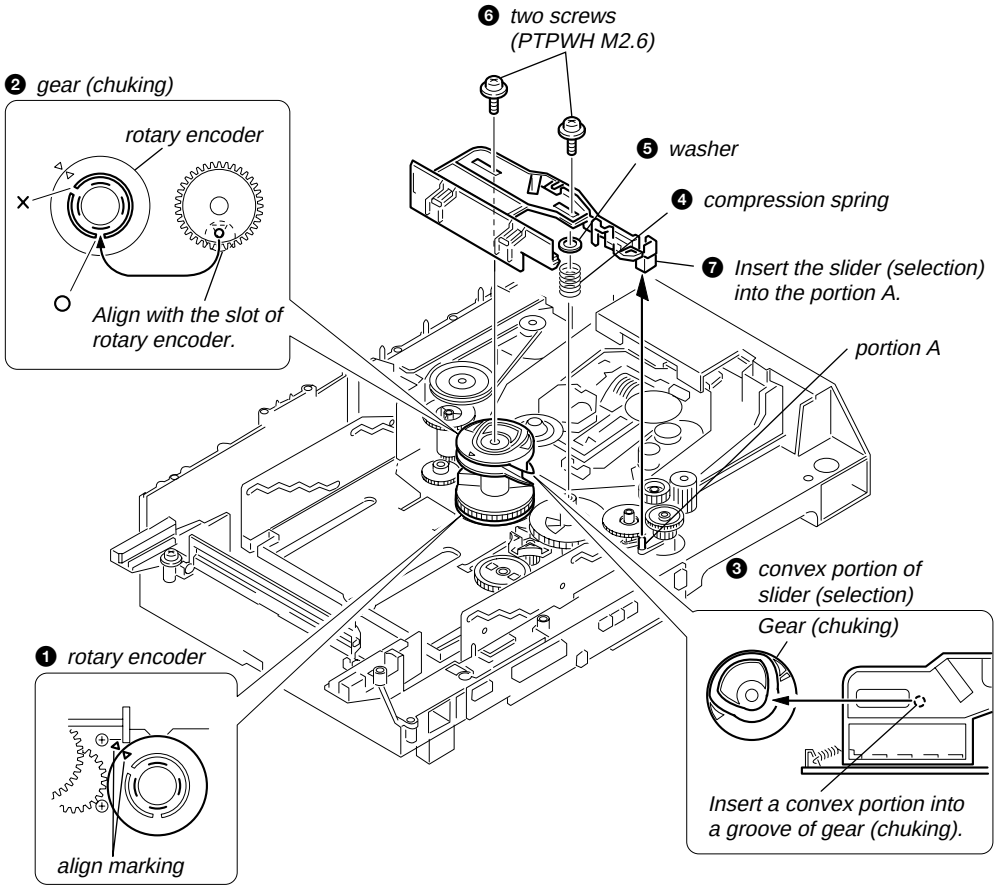
CHASSIS (MOLD B) SECTION INSTALLATION (Page 20)

Note: Follow the assembly procedure in the numerical order given.

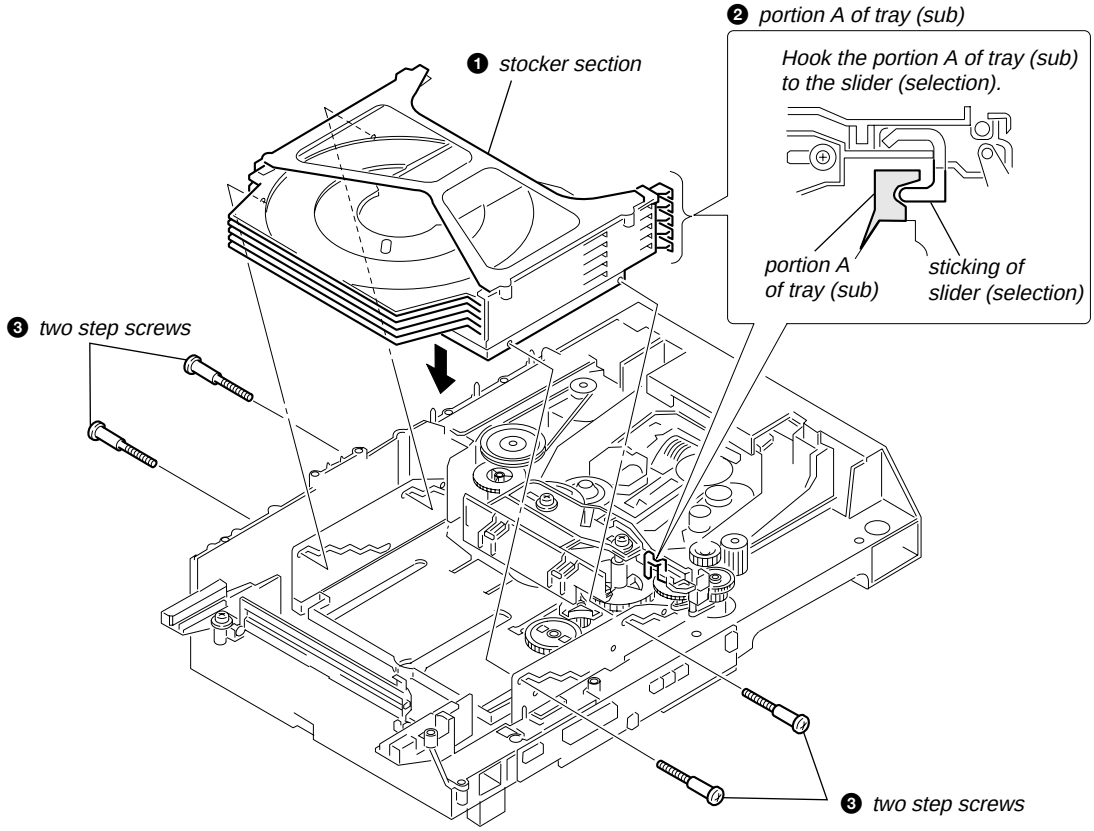
GEARS INSTALLATION


❸ gear (gear B)
portion A
Adjust the gear (gear B) with the portion A as shown.
❶ Slide the slider (u/d) fully in the arrow direction.
❷ gear (U/D slider)
slider (U/D) gear
Adjust the gear so that it meshes with the bottom tooth of slider (U/D) gear, as shown.
❹ gear (gear A)
gear (gear B)
linearly
Adjust so as to be aligned with gear B linearly, as shown.

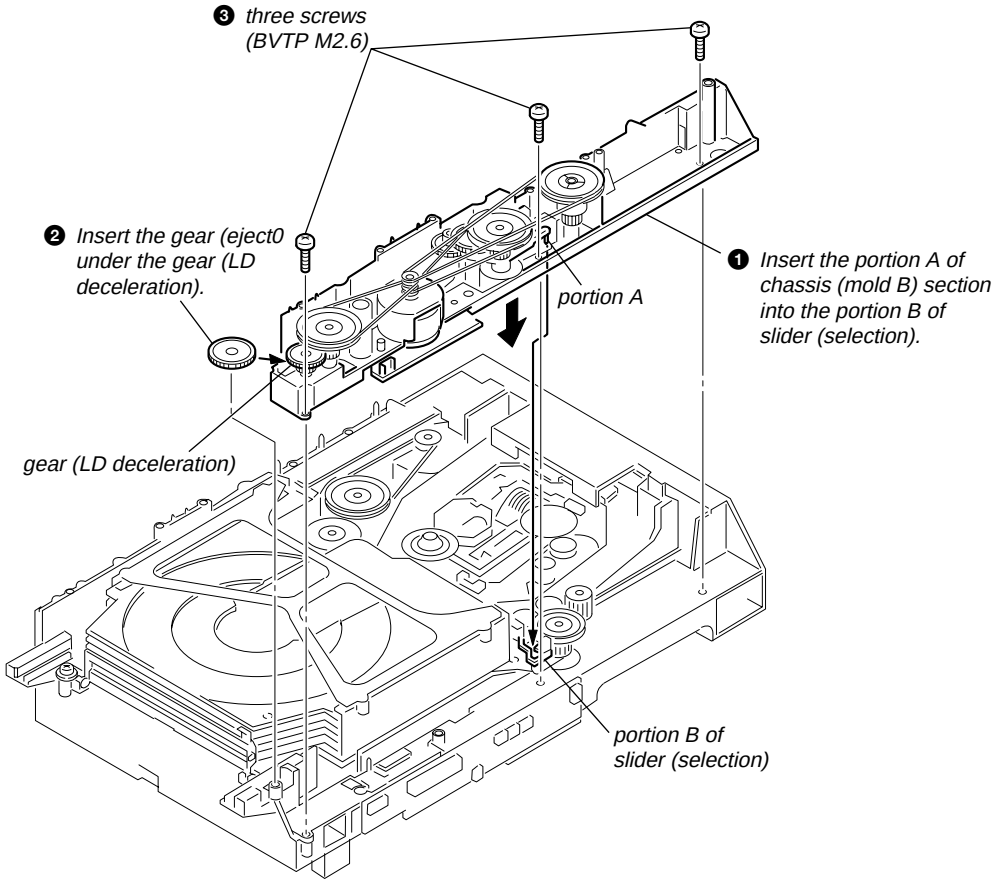
SLIDER (SELECTION) INSTALLATION



STOCKER SECTION INSTALLATION



CHASSIS (MOLD B) SECTION INSTALLATION



SECTION 5
MECHANICAL ADJUSTMENT

Precaution

1. Clean the following parts with a denatured alcohol-moistened swab:
   record/playback heads — pinch rollers
   erase head — rubber belts
   capstan — idlers
2. Demagnetize the record/playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Torque Measurement

Mode	Torque meter	Meter reading
FWD	CQ-102C	3.06 N • m to 6.96 N • m 31 to 71 g • cm (0.43 – 0.98 oz • inch)
FWD back tension	CQ-102C	0.19 N • m to 0.58 N • m 2 to 6 g • cm (0.02 – 0.08 oz • inch)
REV	CQ-102RC	3.06 N • m to 6.96 N • m 31 to 71 g • cm (0.43 – 0.98 oz • inch)
REV back tension	CQ-102RC	0.19 N • m to 0.58 N • m 2 to 6 g • cm (0.02 – 0.08 oz • inch)
FF/REW	CQ-201B	6.96 N • m to 14.02 N • m 71 to 143 g • cm (0.98 – 1.99 oz • inch)
FWD tension	CQ-403A	9.80 N • m 100 g or more (3.53 oz or more)
REV tension	CQ-403R	9.80 N • m 100 g or more (3.53 oz or more)

SECTION 6
DIAGRAMS

6-1. NOTE FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note on Printed Wiring Boards:

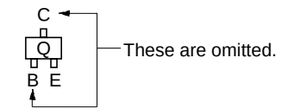
- ○——— : parts extracted from the component side.
- ——— : parts extracted from the conductor side.
- ⬚← : indicates side identified with part number.
- ▒▒▒ : Pattern from the side which enables seeing.

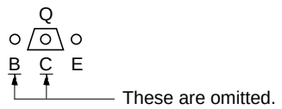
(The other layers' patterns are not indicated.)

Caution:	
Pattern face side: (Side B)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Side A)	Parts on the parts face side seen from the parts face are indicated.

- MB board is multi-layer printed board. However, the patterns of intermediate-layer have not been included in the diagram.

- Indication of transistor





Note on Schematic Diagram:

- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- % : indicates tolerance.
- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.
- : panel designation.

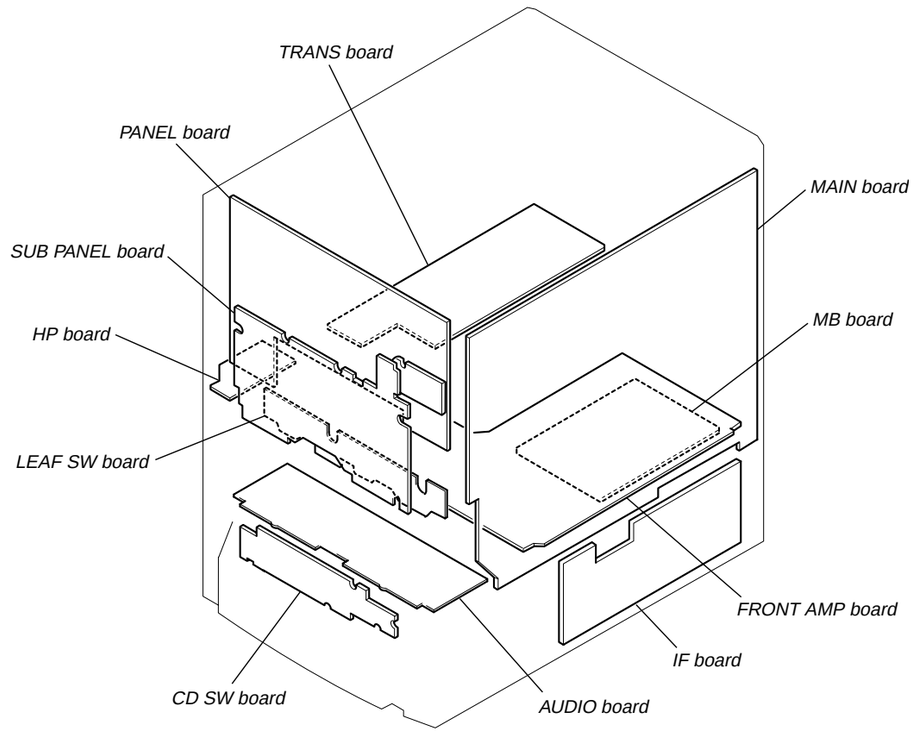
Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

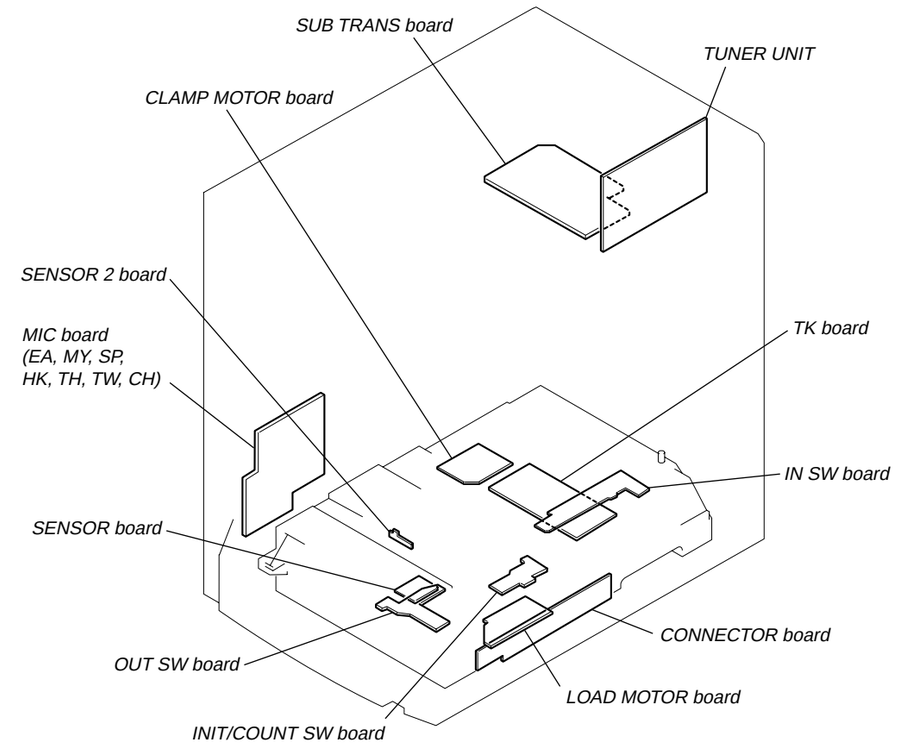
以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

- B+ : B+ Line.
- B– : B– Line.
- : adjustment for repair.
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  - : DVD PLAY
  - : CD PLAY
  - : DVD/CD PLAY (VIDEO)
  - : DVD/CD PLAY (AUDIO)
  - : DVD/CD PLAY (DIGITAL OUT)
  - : TUNER
  - : TAPE A PLAY
  - : TAPE B PLAY
  - : TAPE B REC
  - : MIC
- Abbreviation

AR	: Argentine model
AUS	: Australian model
CH	: Chinese model
CND	: Canadian model
EA	: Saudi Arabia model
HK	: Hong Kong model
MX	: Mexican model
MY	: Malaysia model
SP	: Singapore model
TH	: Thai model
TW	: Taiwan model

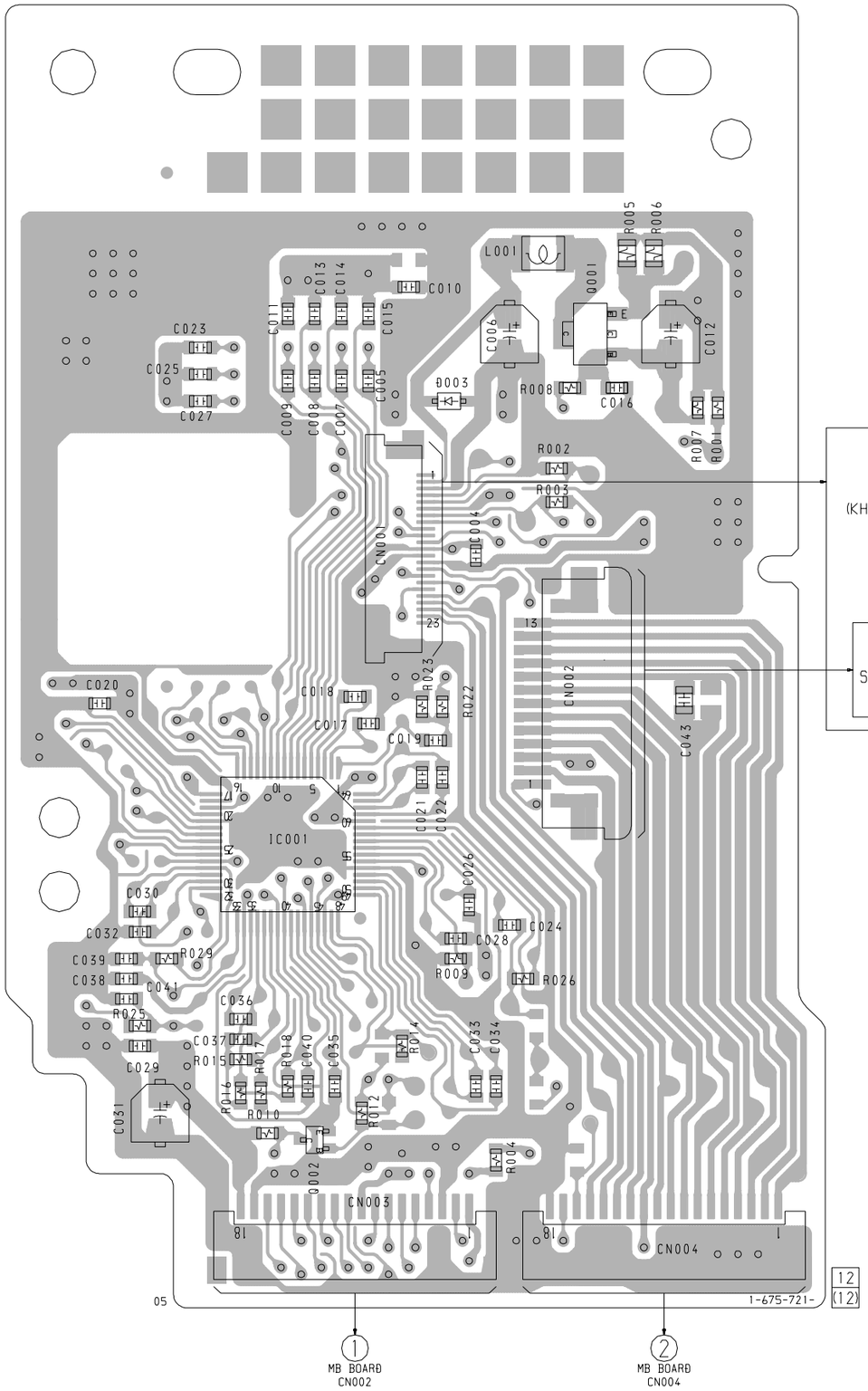
- **Circuit Boards Location**





6-2. PRINTED WIRING BOARD – TK Board – • See page 23 for Circuit Boards Location.

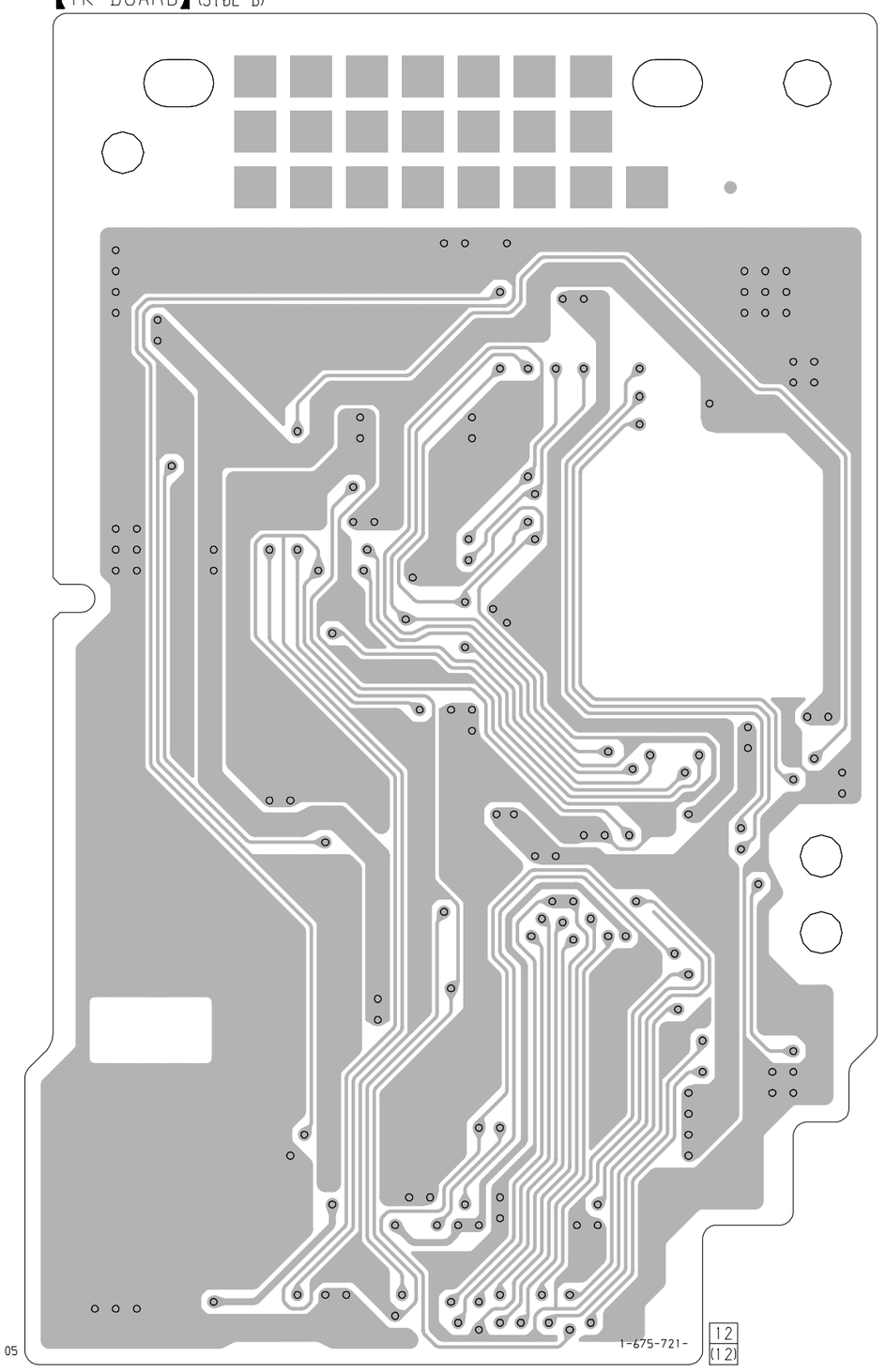
【TK BOARÐ】(SIÐE A)



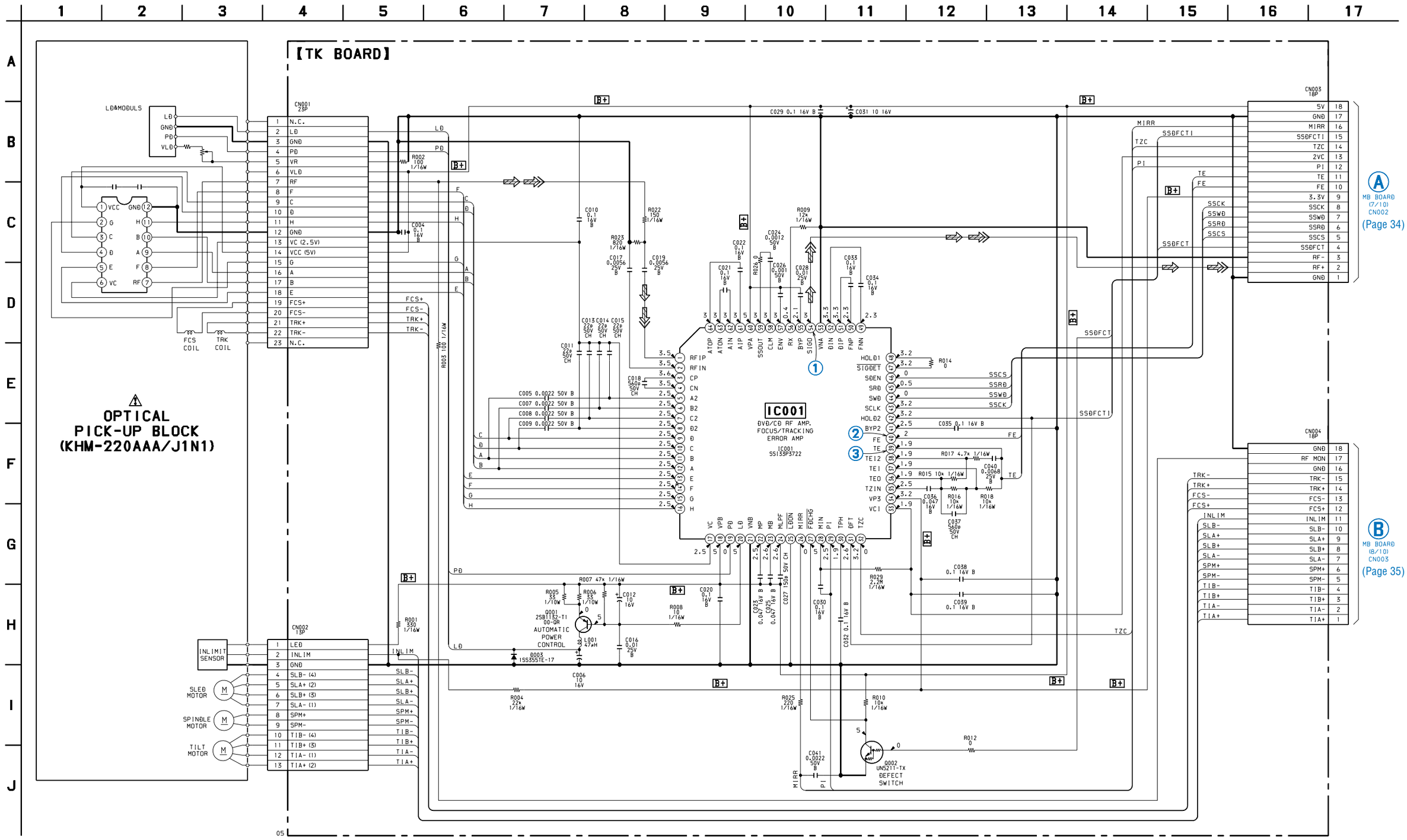
(Page 26)

(Page 26)

【TK BOARÐ】(SIÐE B)



6-3. SCHEMATIC DIAGRAM – TK Board – • See page 62 for Waveforms.



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

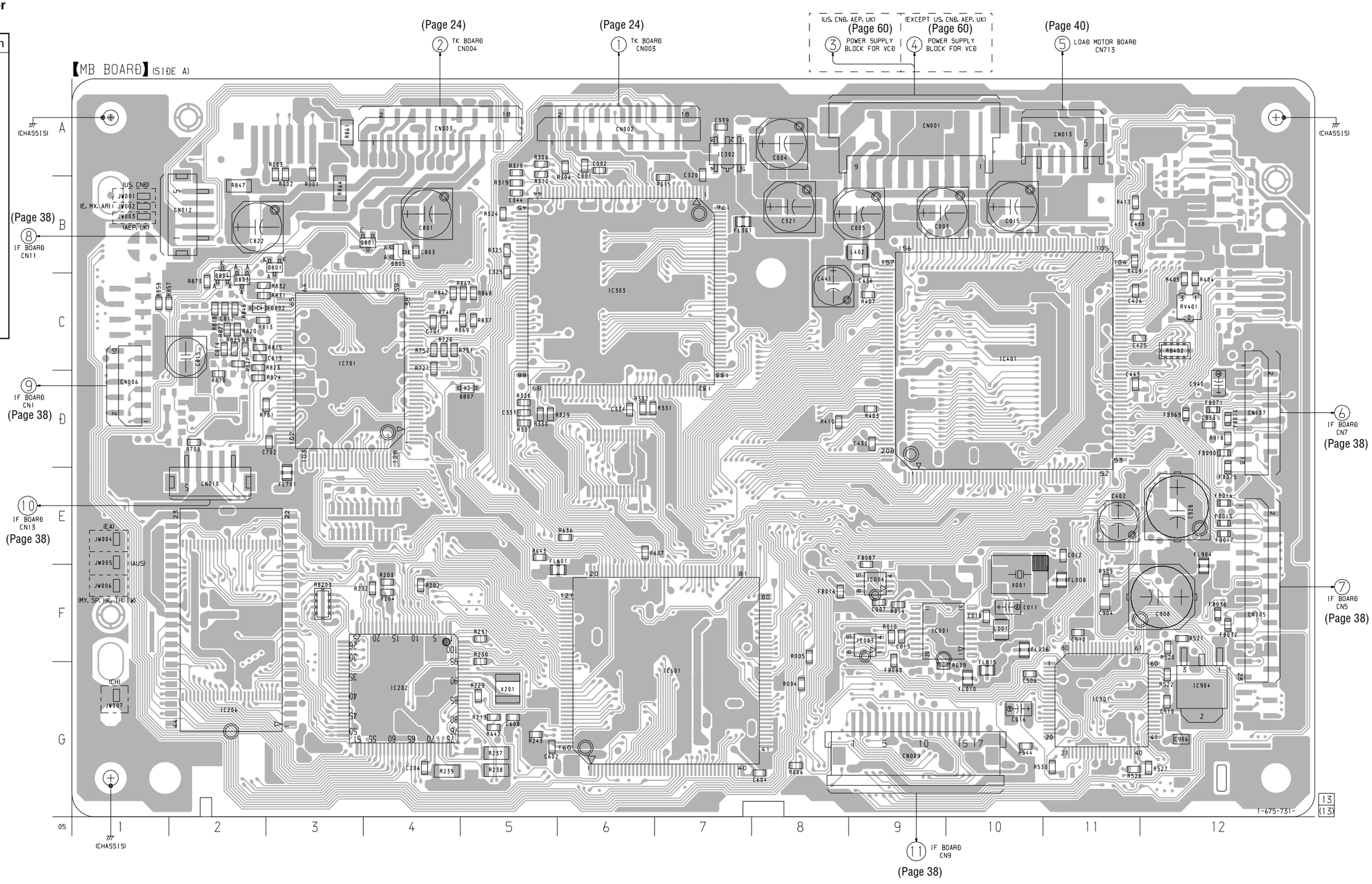
以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

- Voltages and waveforms are dc with respect to ground under no-signal conditions.
  no mark : DVD STOP

6-4. PRINTED WIRING BOARD – MB Board (Side A) – • See page 23 for Circuit Boards Location.

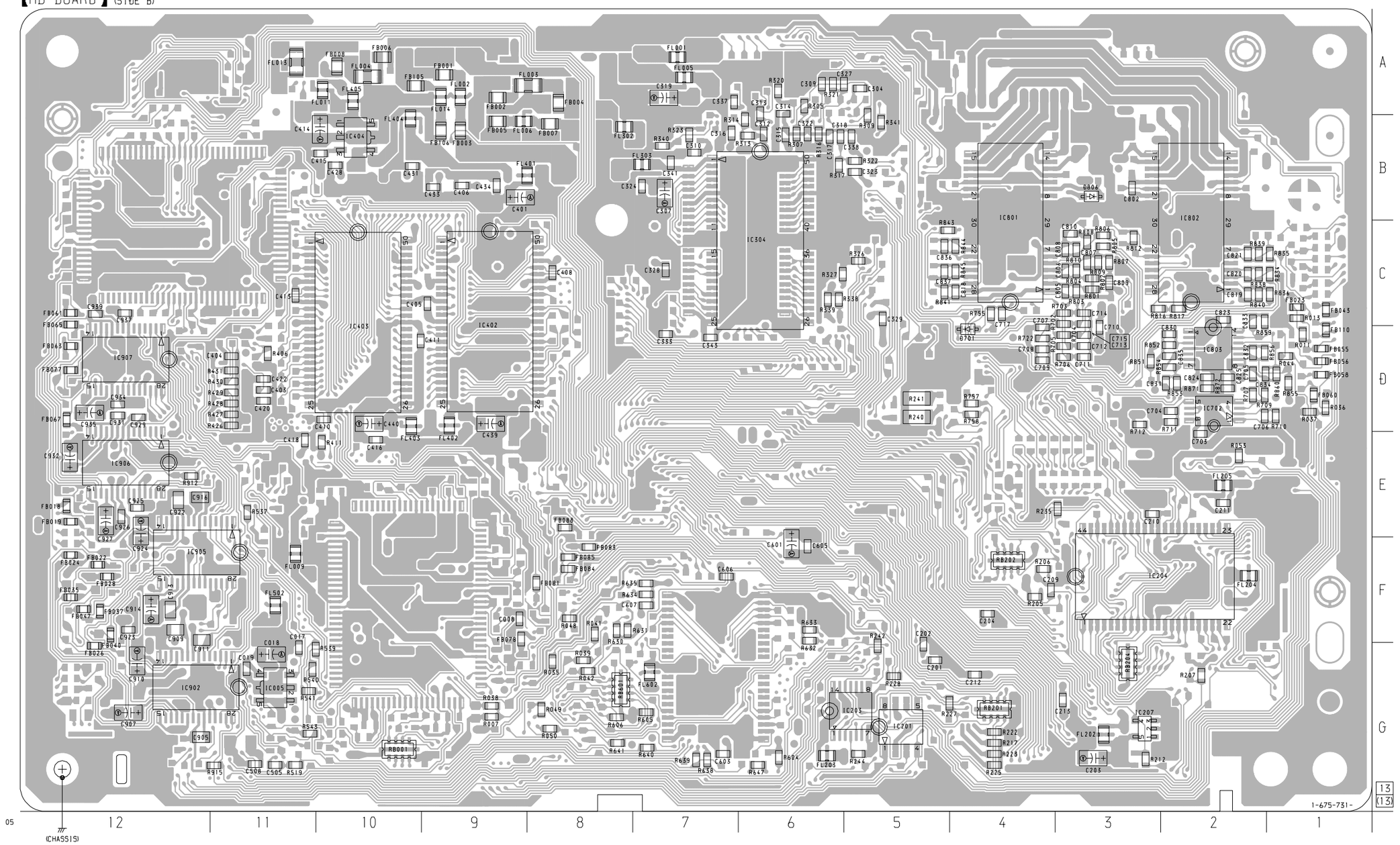
- **Semiconductor Location**

Ref. No.	Location
D801	B-3
D802	C-2
D803	C-2
D804	C-2
D805	B-4
D807	D-5
IC001	F-9
IC003	F-9
IC004	F-9
IC202	G-4
IC205	F-2
IC206	F-2
IC302	A-7
IC303	C-6
IC401	C-10
IC501	G-11
IC601	G-7
IC701	C-3
IC904	G-12
Q801	B-4



6-5. PRINTED WIRING BOARD – MB Board (Side B) – • See page 23 for Circuit Boards Location.

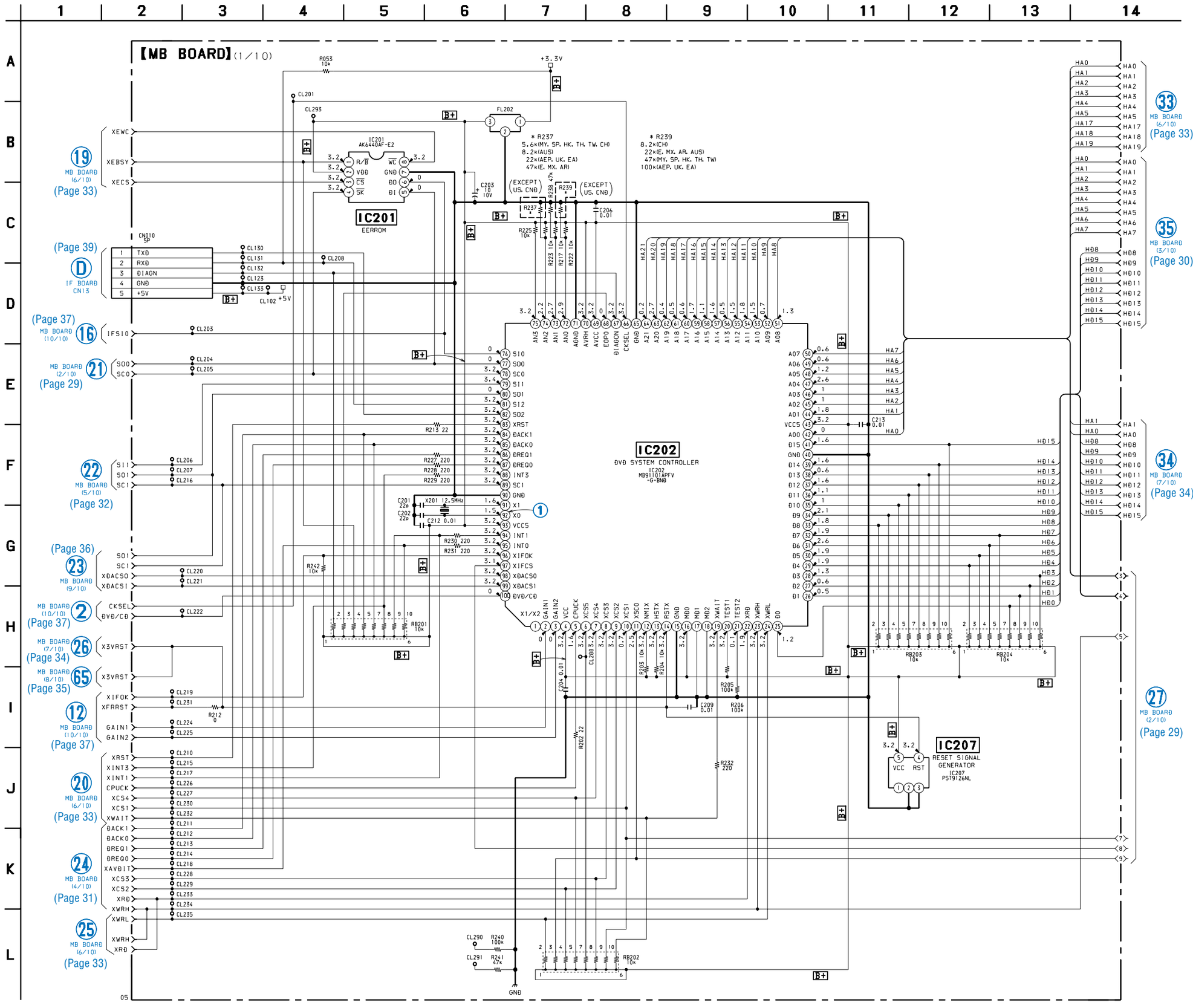
【MB BOARD】 (SIDE B)



- **Semiconductor Location**

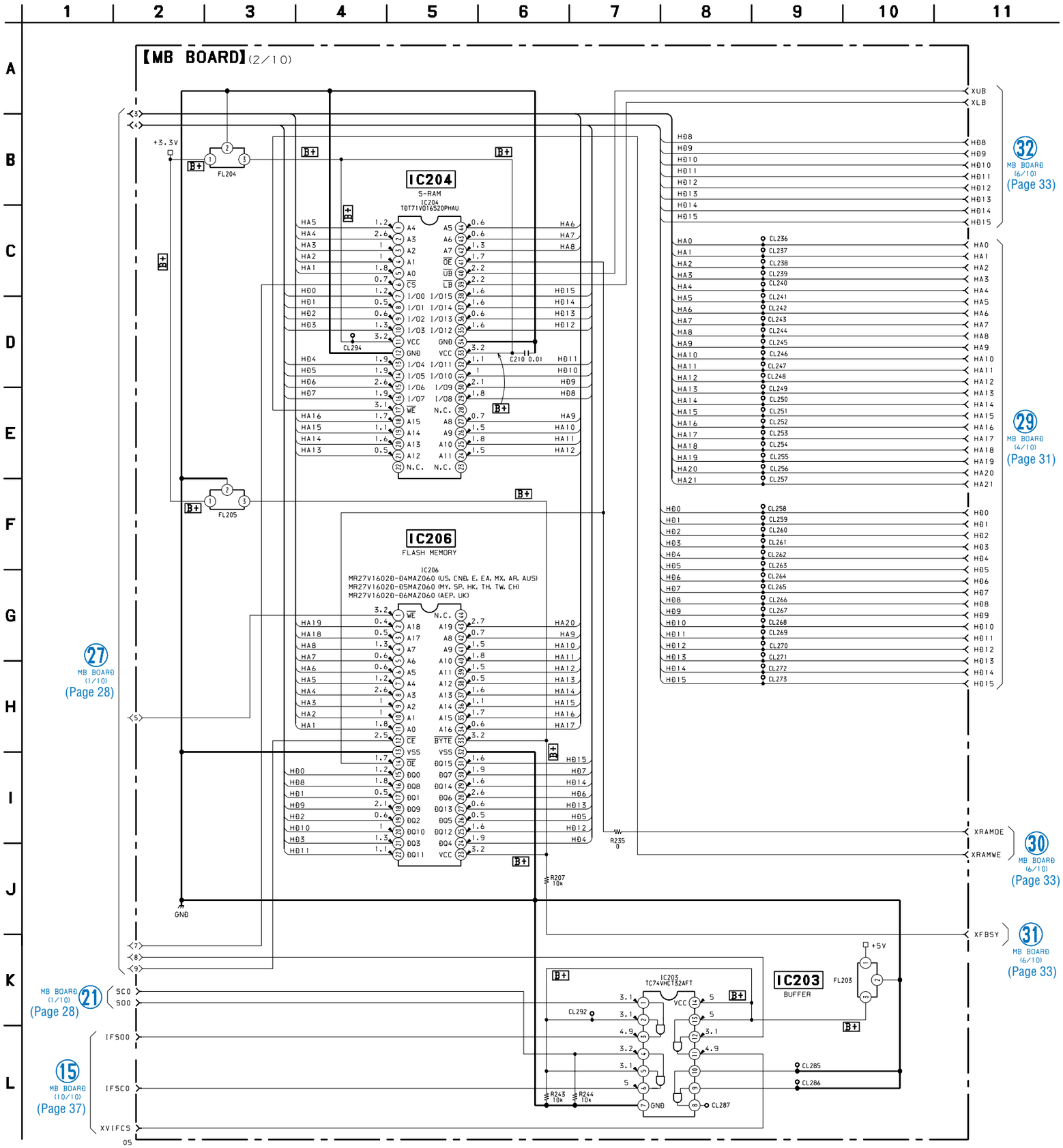
Ref. No.	Location
D701	D-4
D806	B-3
IC005	G-11
IC201	G-5
IC203	G-5
IC204	F-3
IC207	G-3
IC304	C-6
IC402	C-9
IC403	C-10
IC404	B-10
IC702	D-2
IC801	C-4
IC802	C-2
IC803	D-2
IC902	G-12
IC905	F-12
IC906	E-12
IC907	D-12

6-6. SCHEMATIC DIAGRAM – MB Board (1/10) – • See page 62 for Waveform.



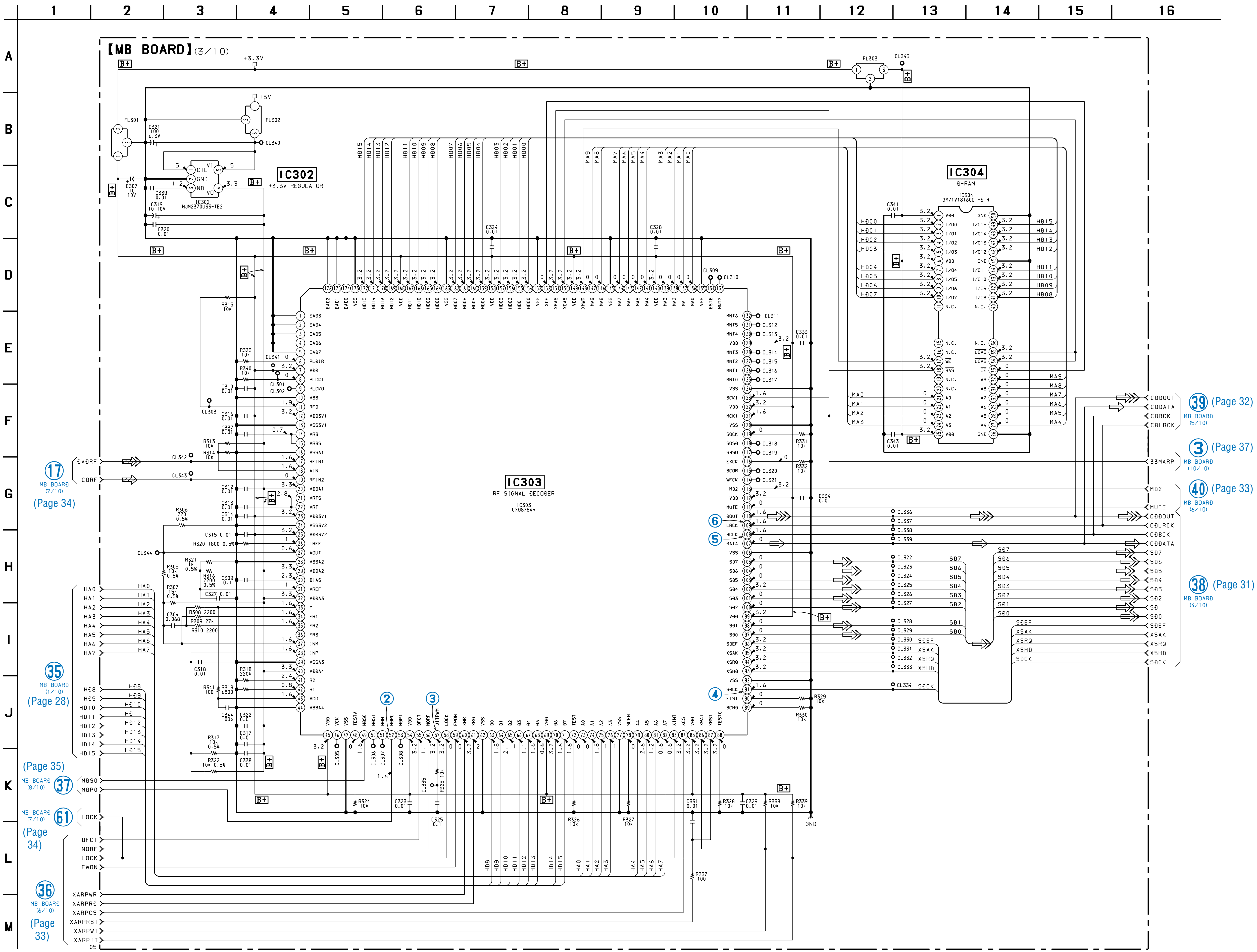
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
  no mark : DVD STOP

6-7. SCHEMATIC DIAGRAM – MB Board (2/10) –



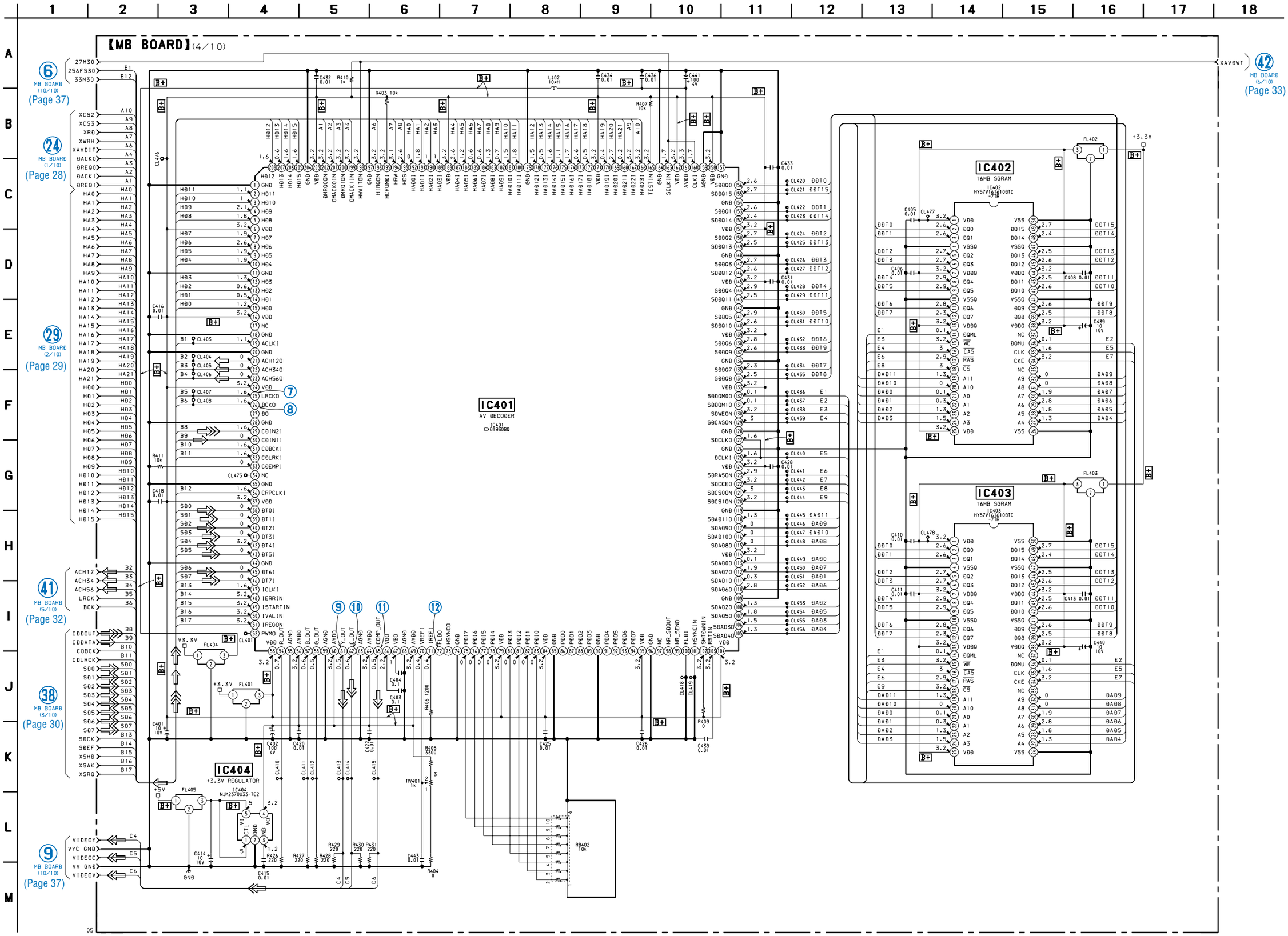
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
  no mark : DVD STOP

6-8. SCHEMATIC DIAGRAM – MB Board (3/10) – • See page 62 for Waveforms.


【MB BOARD】(3/10)
IC302
+3.3V REGULATOR
IC302
NJM2370U33-TE2
IC303
RF SIGNAL DECODER
IC303
CXD8784R
IC304
D-RAM
IC304
GM71V18160CT-6TR
FL301
FL302
FL303
+3.3V
+5V
GND
17 MB BOARD (7/10) (Page 34)
DVDRF
CDRF
35 MB BOARD (1/10) (Page 28)
HA0
HA1
HA2
HA3
HA4
HA5
HA6
HA7
HD8
HD9
HD10
HD11
HD12
HD13
HD14
HD15
(Page 35) MB BOARD (8/10) 37
MDS0
MDP0
MB BOARD (7/10) 61 (Page 34)
LOCK
DFCT
NORF
LOCK
FWON
36 MB BOARD (6/10) (Page 33)
XARPWR
XARPRD
XARPCS
XARPRST
XARPWT
XARPIT
05
39 (Page 32) MB BOARD (5/10)
CDDOUT
CDDATA
CDBCK
CDLRCK
3 (Page 37) MB BOARD (10/10)
33MARP
40 (Page 33) MB BOARD (6/10)
MD2
MUTE
CDDOUT
CDLRCK
CDBCK
CDDATA
38 (Page 31) MB BOARD (4/10)
SD7
SD6
SD5
SD4
SD3
SD2
SD1
SD0
SDEF
XSAK
XSRQ
XSHD
SDCK

- Voltages and waveforms are dc with respect to ground under no-signal conditions.
  no mark : DVD STOP

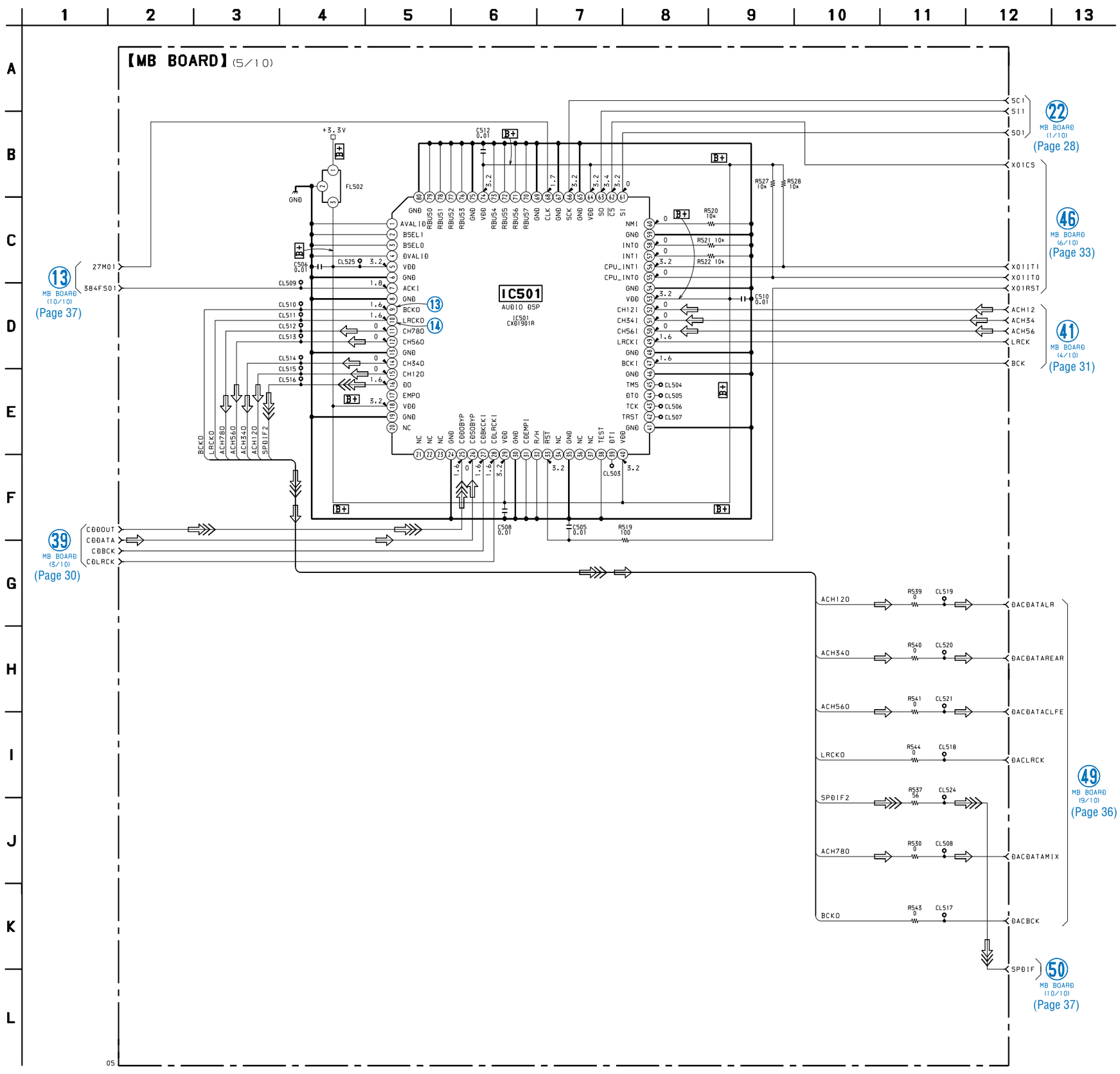
6-9. SCHEMATIC DIAGRAM – MB Board (4/10) – • See page 62 for Waveforms.



- Voltages and waveforms are dc with respect to ground under no-signal conditions.
  no mark : DVD STOP

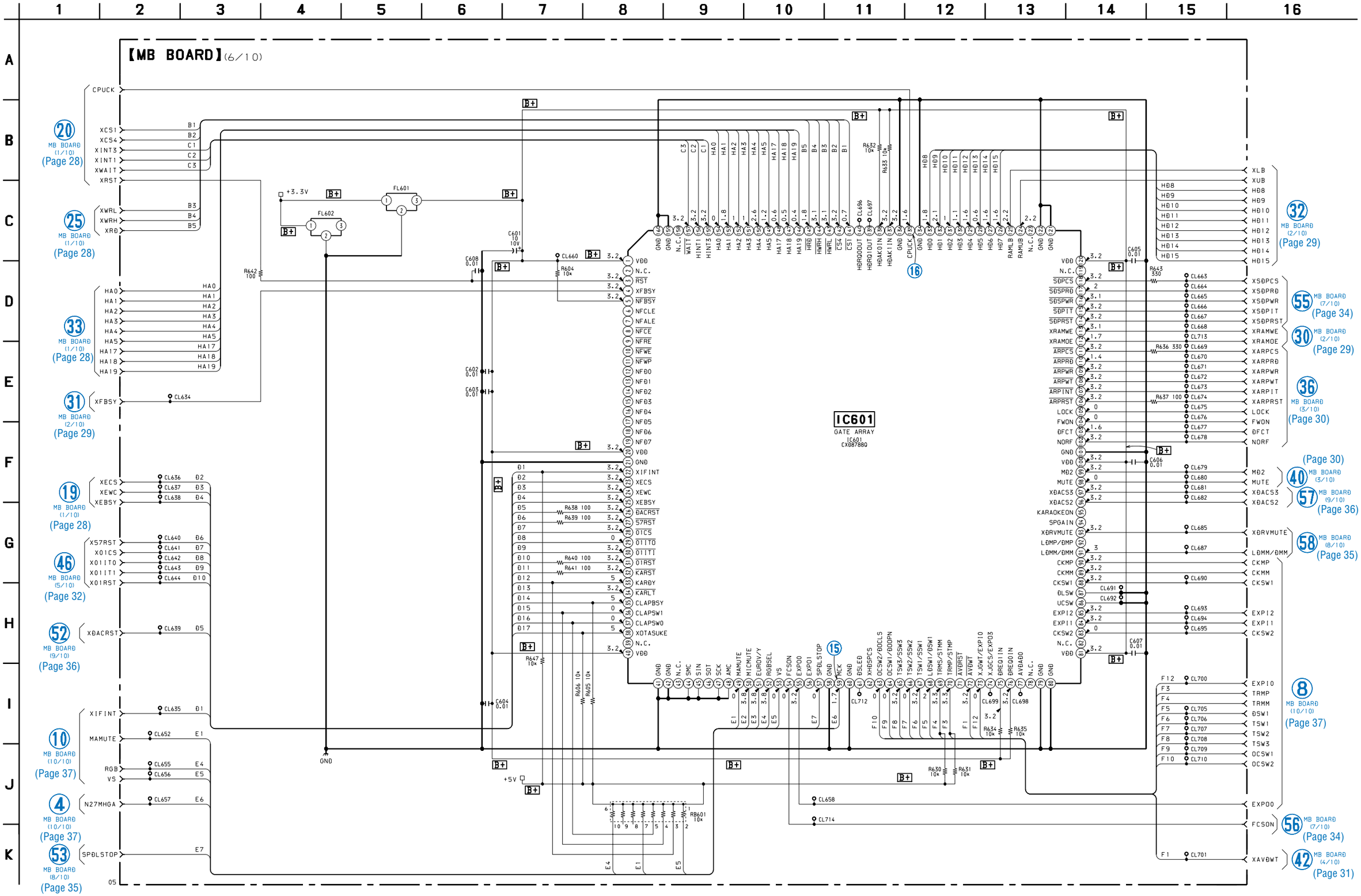
6-10. SCHEMATIC DIAGRAM – MB Board (5/10) –

• See page 62 for Waveforms.



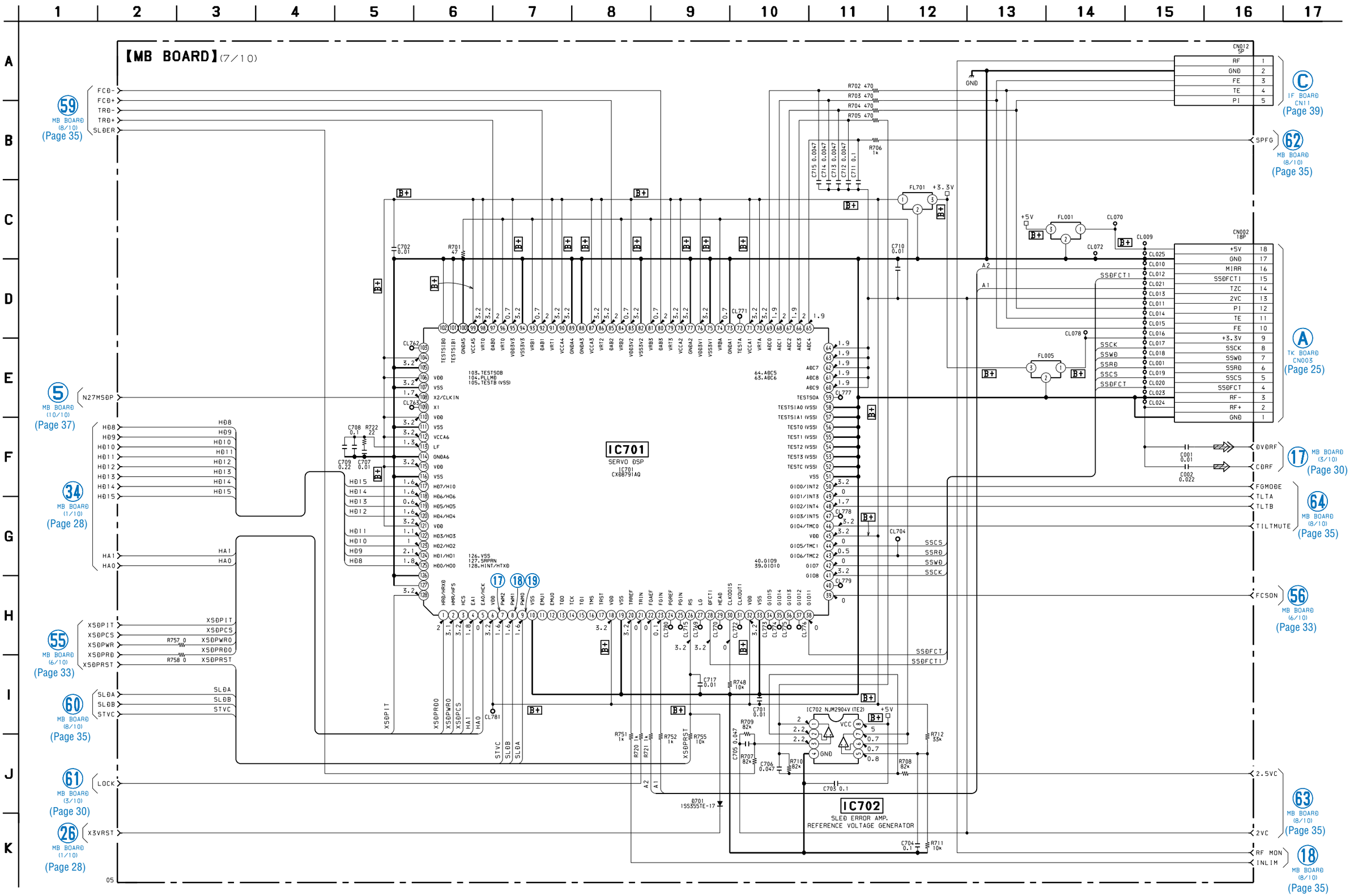
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
  no mark : DVD STOP

6-11. SCHEMATIC DIAGRAM – MB Board (6/10) – • See page 62 for Waveforms.



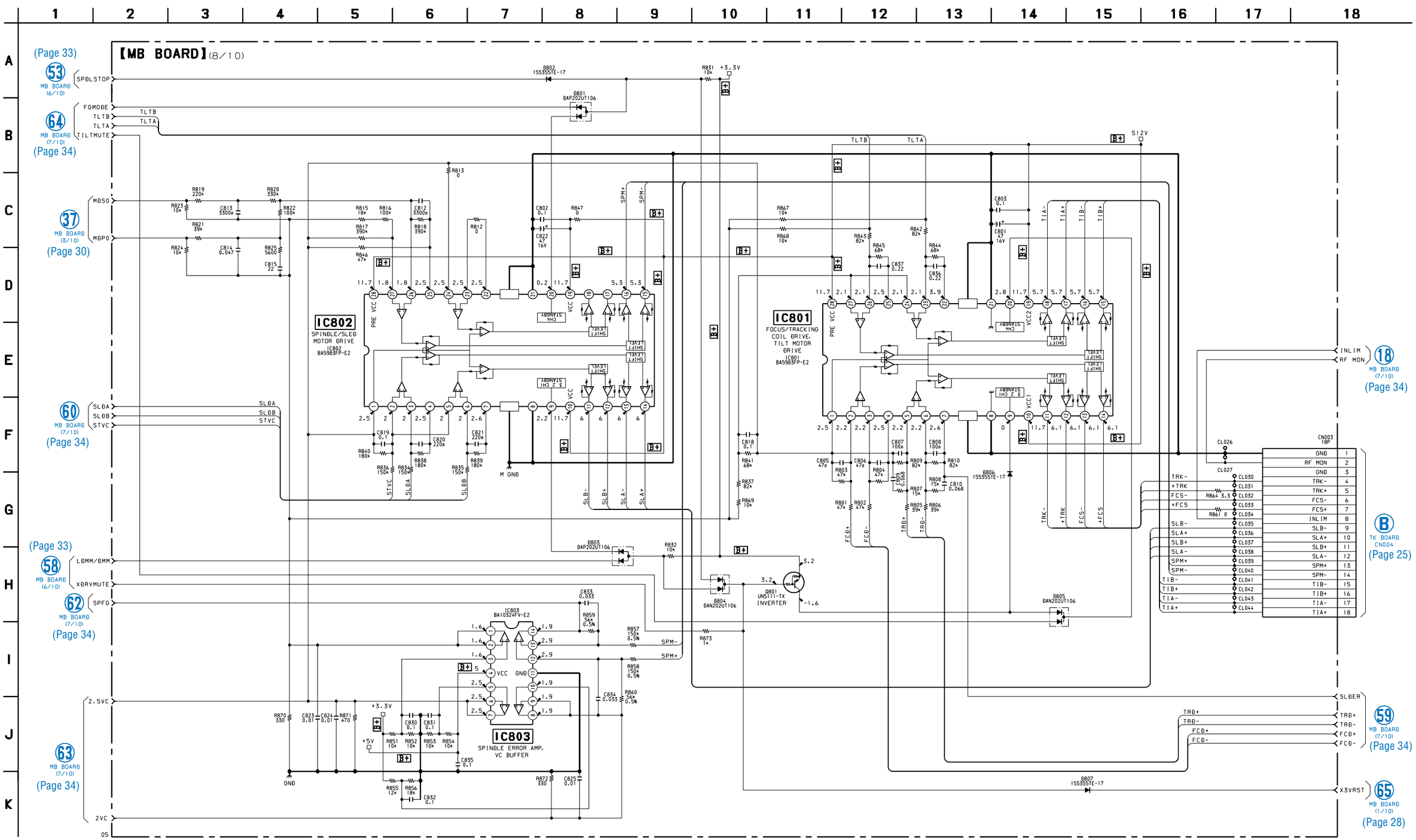
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
  no mark : DVD STOP

6-12. SCHEMATIC DIAGRAM – MB Board (7/10) – • See page 62 for Waveforms.



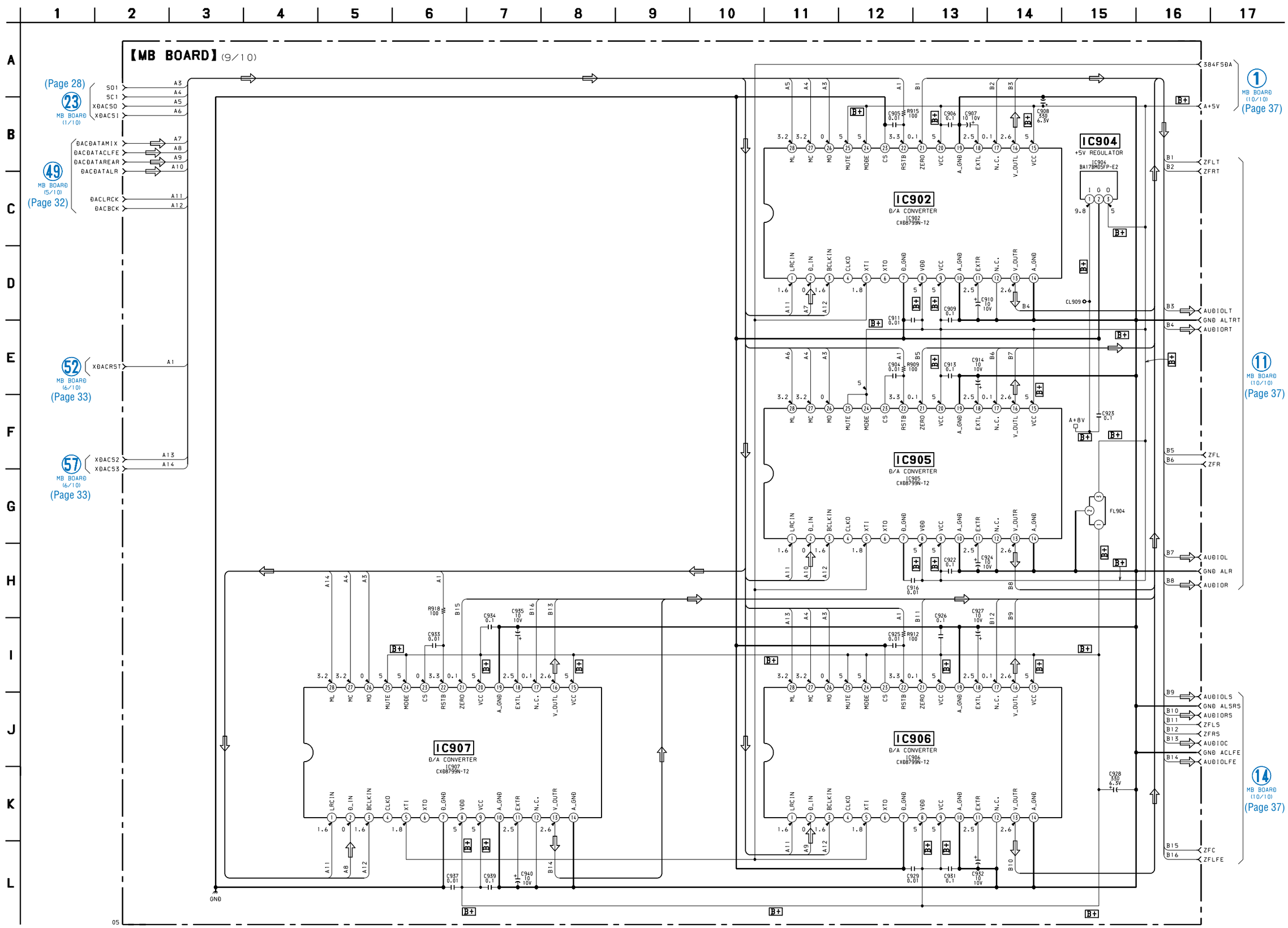
• Voltages and waveforms are dc with respect to ground under no-signal conditions.
no mark : DVD STOP

6-13. SCHEMATIC DIAGRAM – MB Board (8/10) –



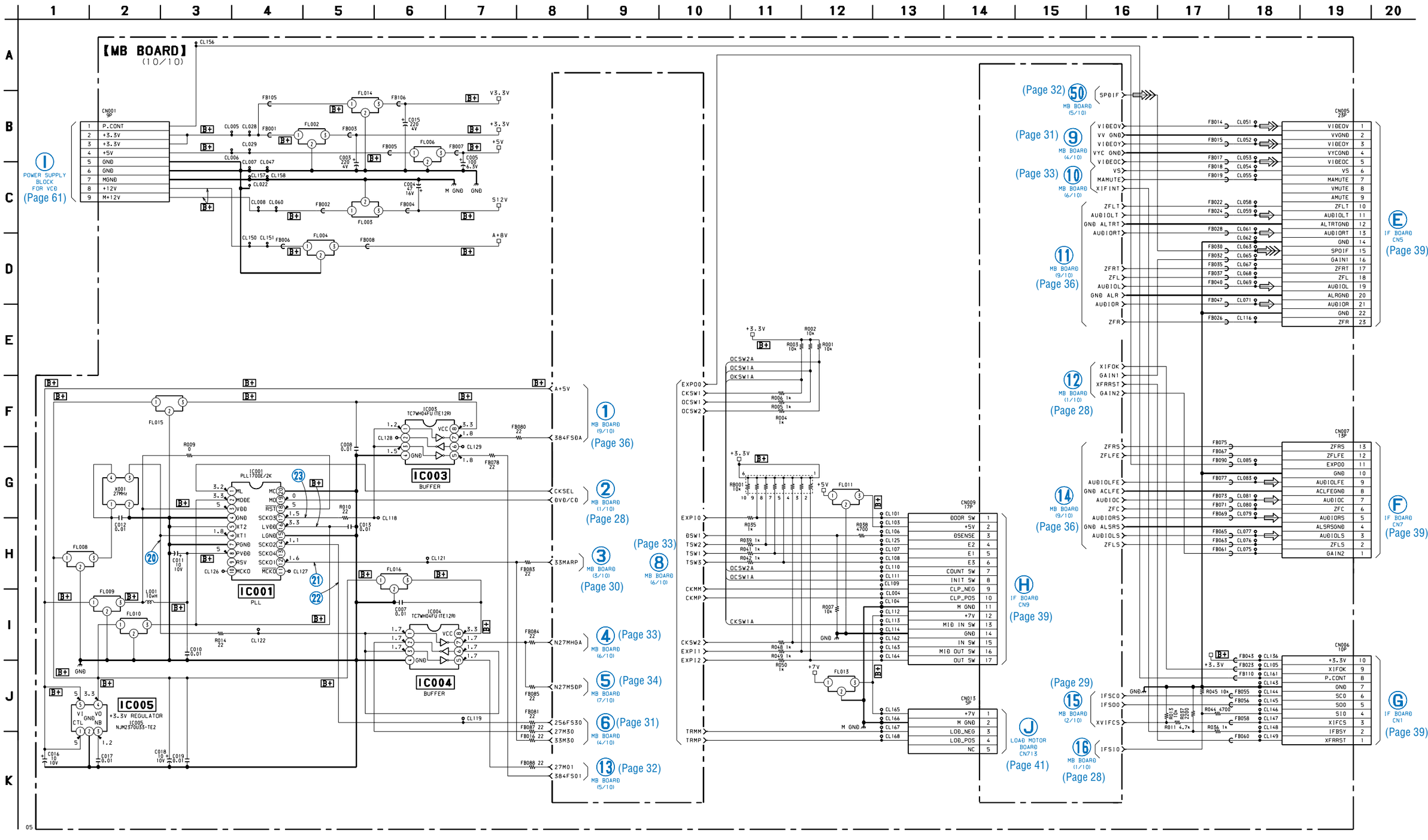
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
  no mark : DVD STOP

6-14. SCHEMATIC DIAGRAM – MB Board (9/10) –



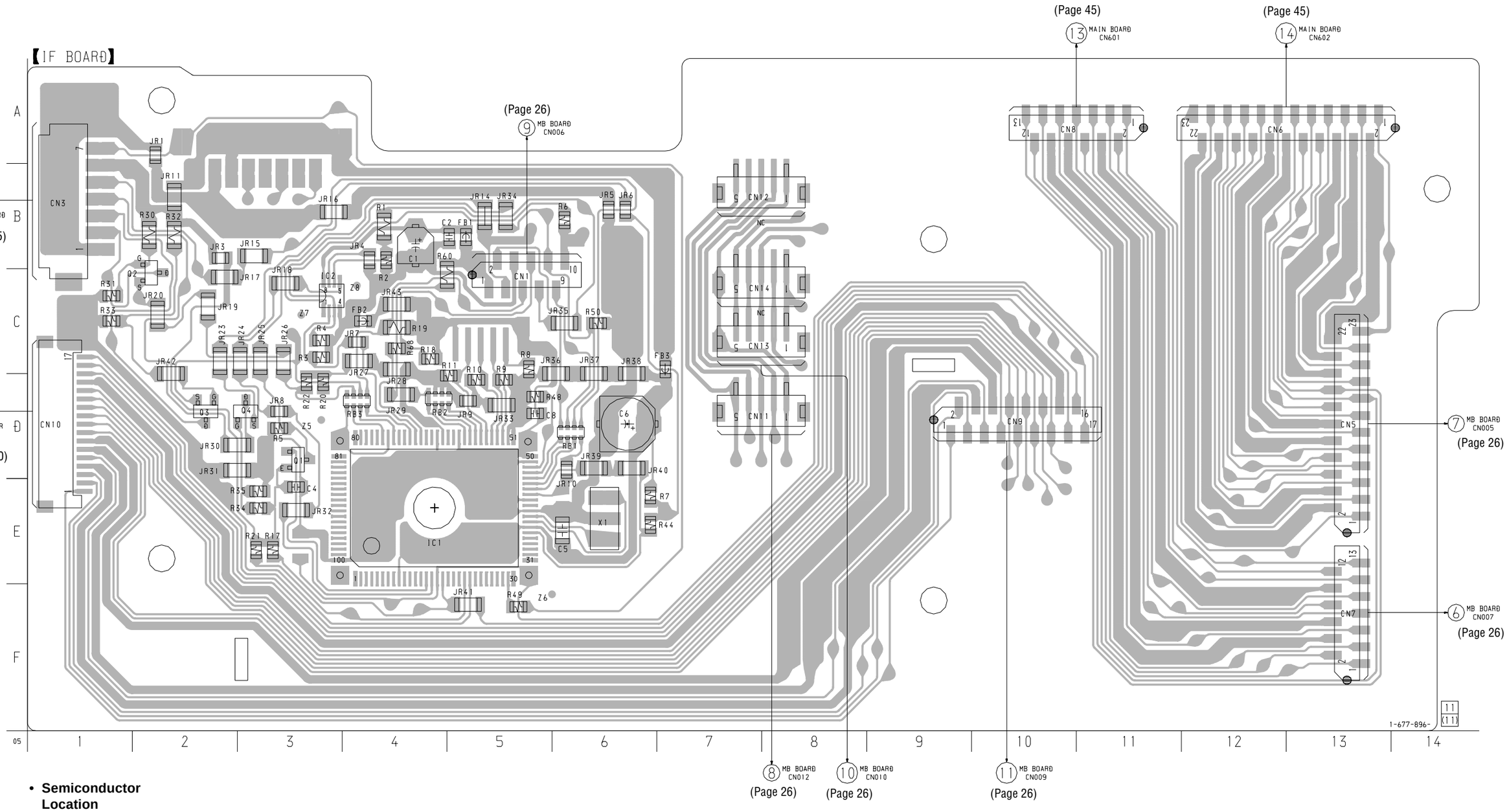
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
  no mark : DVD STOP

6-15. SCHEMATIC DIAGRAM – MB Board (10/10) – • See page 62 for Waveforms.



- Voltages and waveforms are dc with respect to ground under no-signal conditions.
  no mark : DVD STOP

6-16. PRINTED WIRING BOARD – IF Board – • See page 23 for Circuit Boards Location.



- **Semiconductor Location**

Ref. No.	Location
IC1	E-4
IC2	C-3
Q1	D-3
Q2	C-2
Q3	D-2
Q4	D-3

6-17. SCHEMATIC DIAGRAM – IF Board – • See page 62 for Waveform.

【IF BOARD】

IC1 IF CONTROLLER IC1 μPD78421

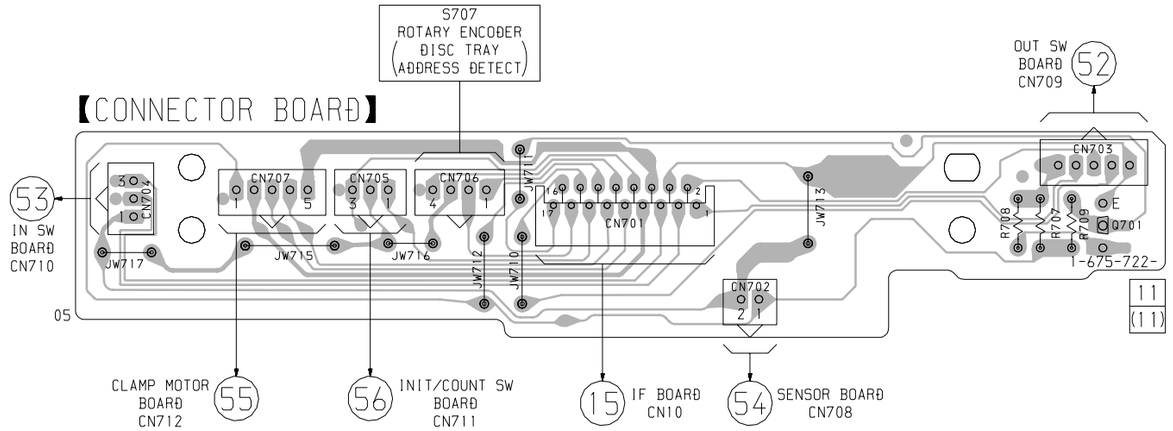
IC2 LEVEL SHIFT IC2 TC7WH125FU

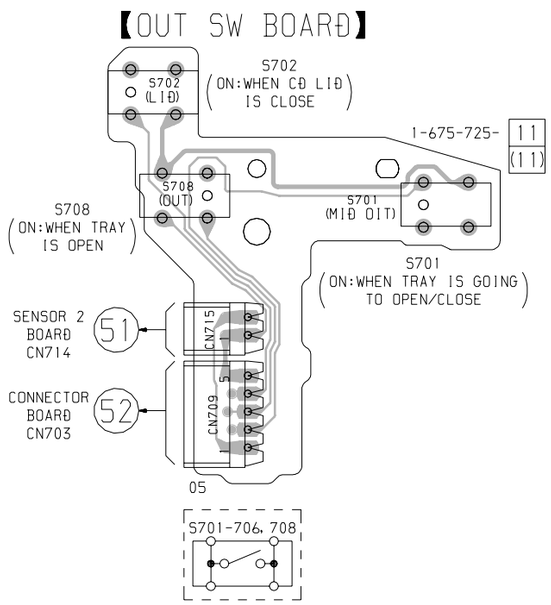
Q1 DTA124EKA INVERTER

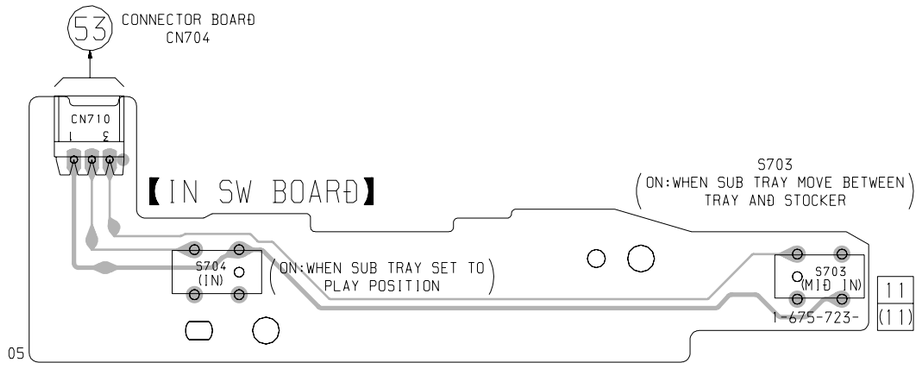
Q2-4 LEVEL SHIFT Q2 2SK1828 / Q3 2SK1828 / Q4 2SK1828

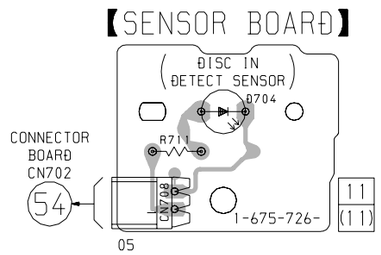
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
  no mark : DVD STOP

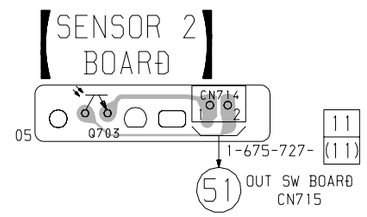
6-18. PRINTED WIRING BOARDS – CDM Section – • See page 23 for Circuit Boards Location.

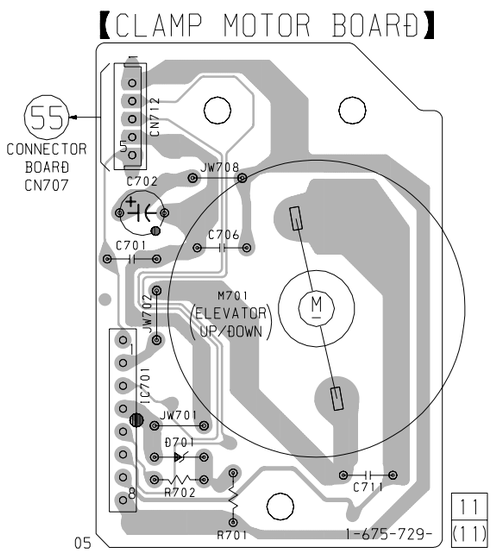


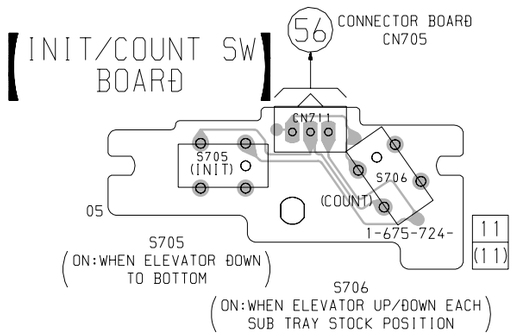


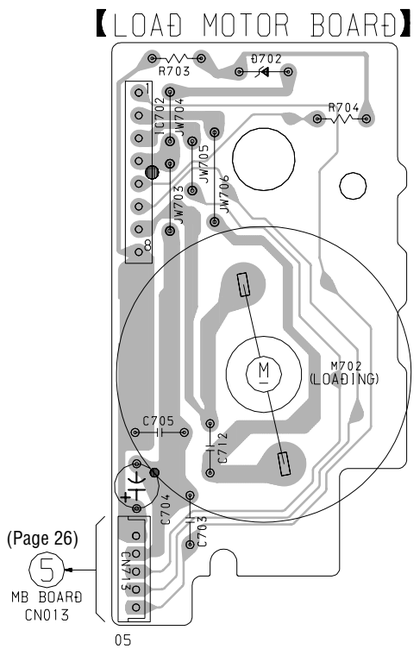




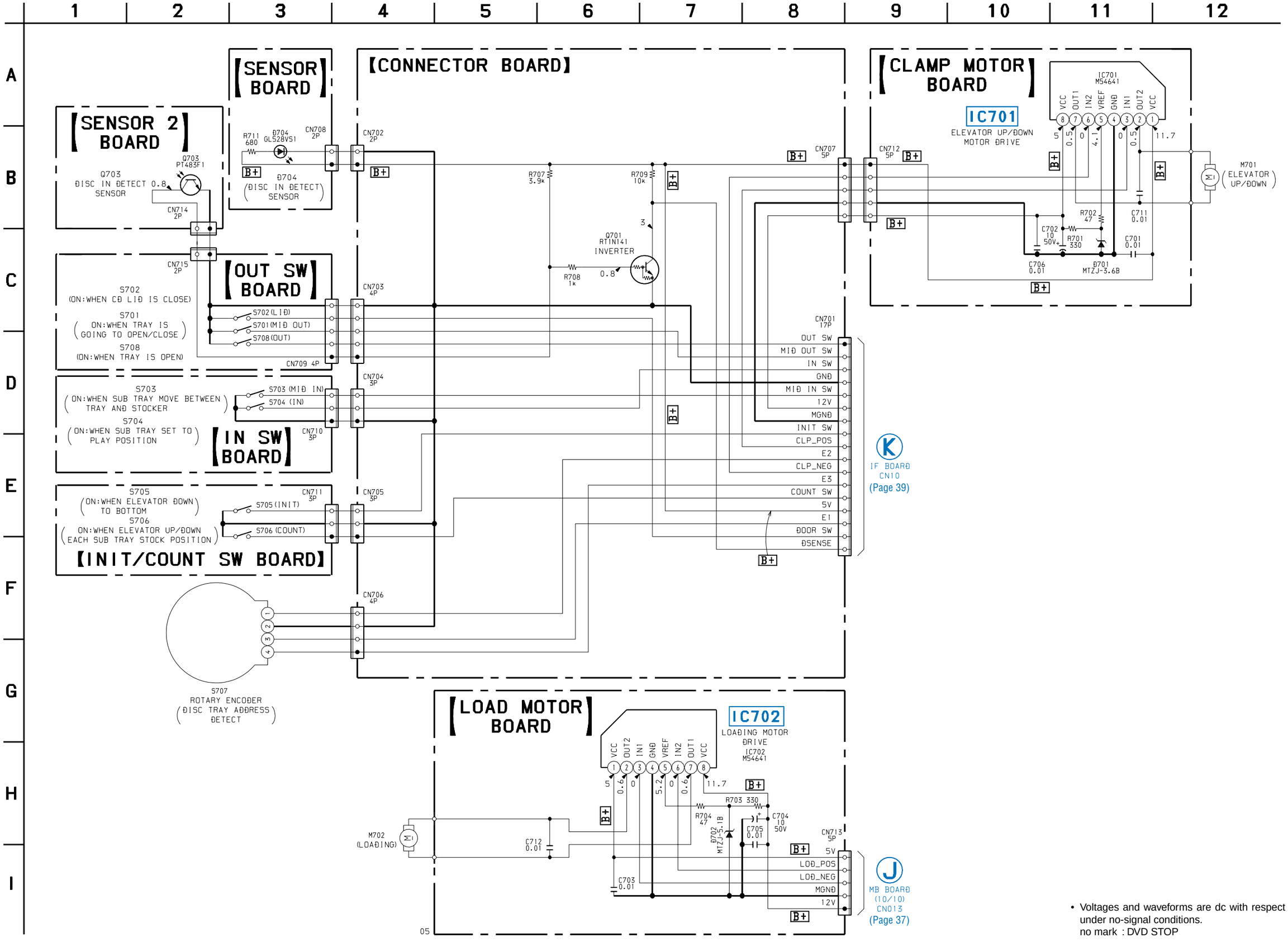






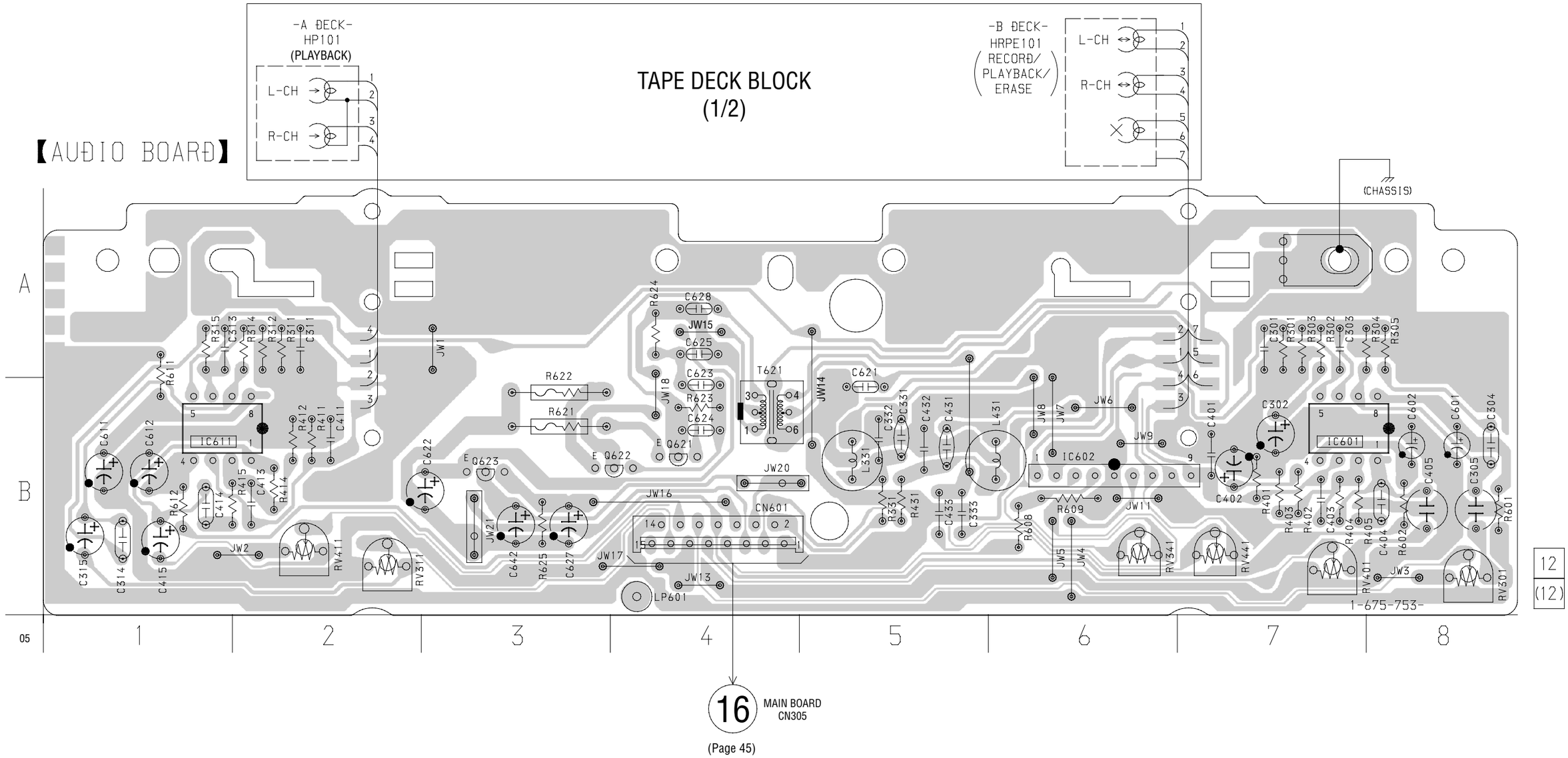


6-19. SCHEMATIC DIAGRAM – CDM Section – • See page 62 for IC Block Diagram.



• Voltages and waveforms are dc with respect to ground under no-signal conditions.
no mark : DVD STOP

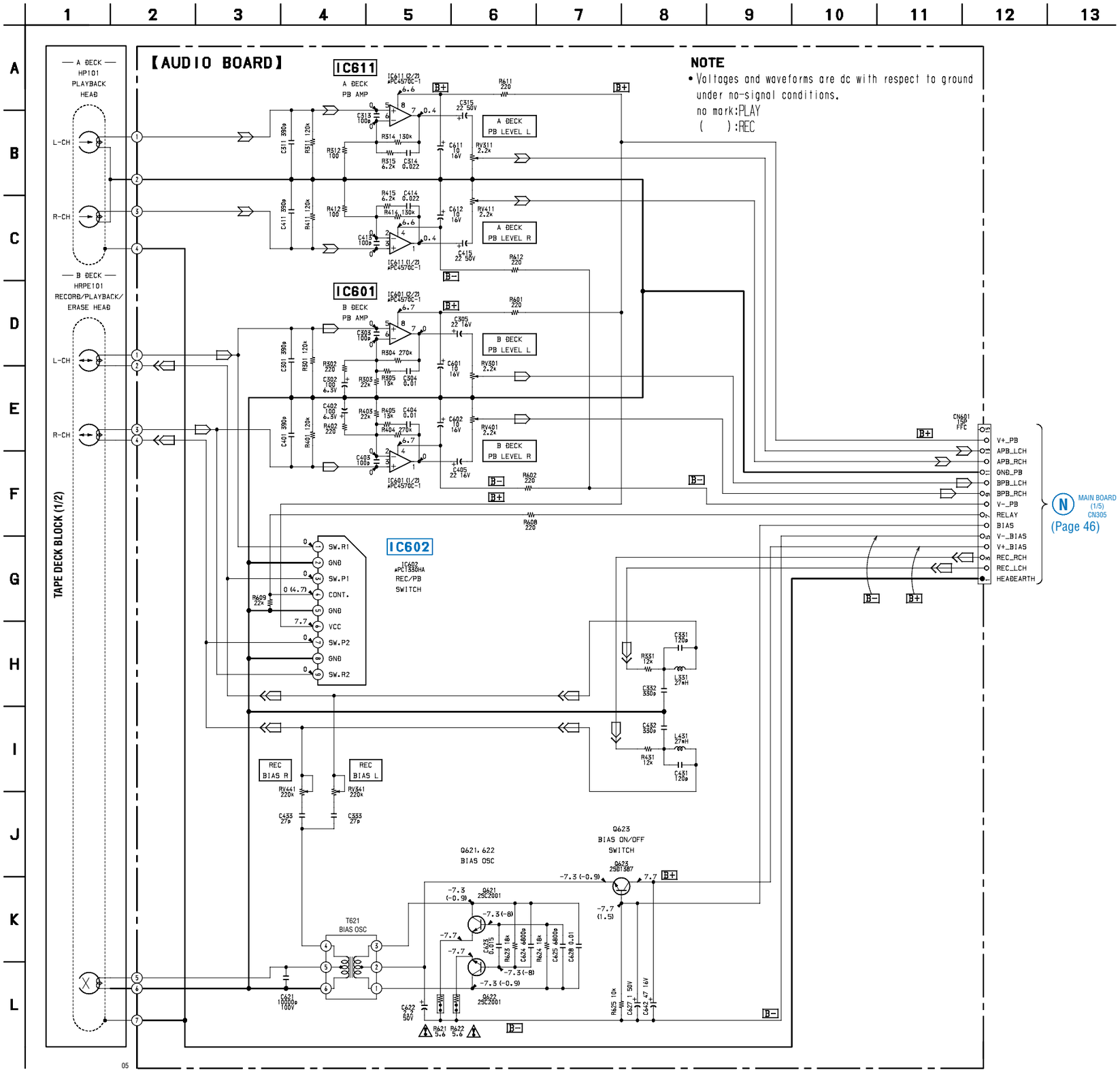
6-20. PRINTED WIRING BOARD – AUDIO Board – **• See page 23 for Circuit Boards Location.**



- **Semiconductor Location**

Ref. No.	Location
IC601	B-7
IC602	B-6
IC611	B-1
Q621	B-4
Q622	B-4
Q623	B-3

6-21. SCHEMATIC DIAGRAM – AUDIO Board – • See page 62 for IC Block Diagram.

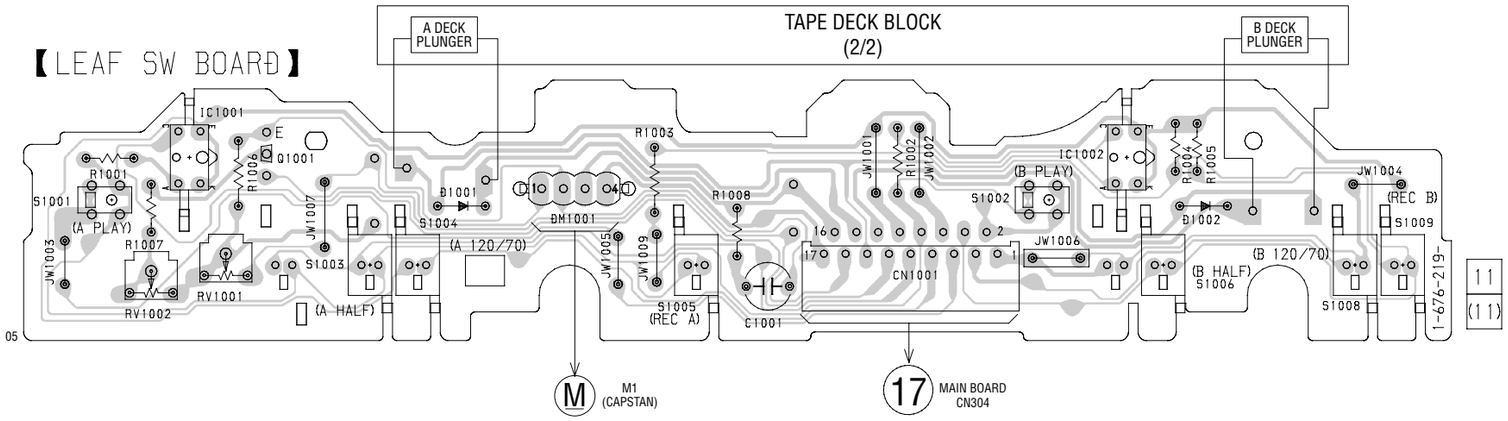


The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

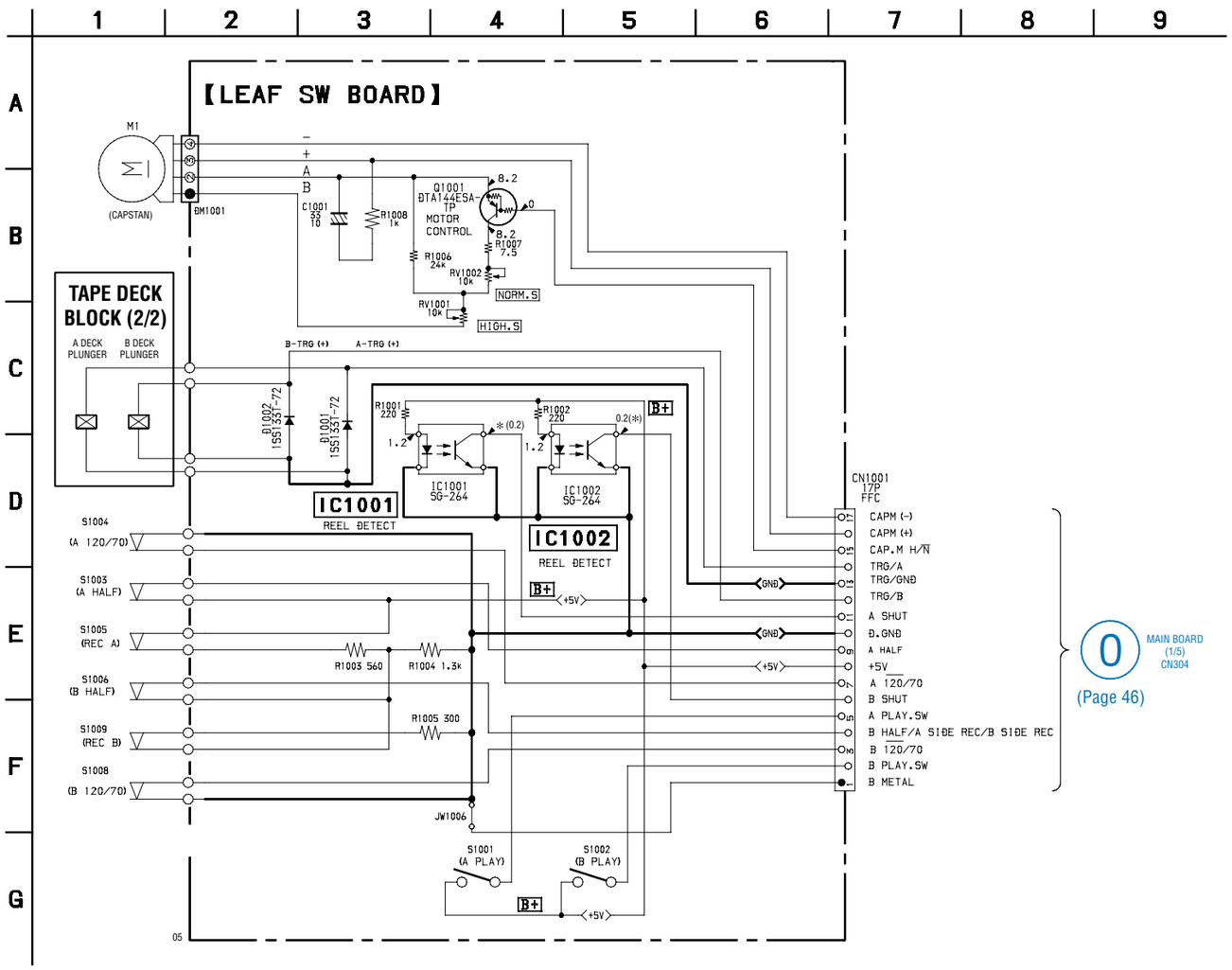
以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

6-22. PRINTED WIRING BOARD – LEAF SW Board –

• See page 23 for Circuit Boards Location.



6-23. SCHEMATIC DIAGRAM – LEAF SW Board –



• Voltages and waveforms are dc with respect to ground under no-signal conditions.
no mark : TAPE A PLAY
( ) : TAPE B PLAY

• **Semiconductor Location**
– MAIN Board –

Ref. No.	Location	Ref. No.	Location
D101	C-9	Q101	C-9
D102	C-10	Q102	C-8
D181	H-9	Q130	E-12
D182	H-8	Q151	B-9
D183	G-10	Q152	C-8
D184	H-9	Q181	H-9
D201	F-7	Q182	H-9
D501	E-5	Q183	H-9
D502	F-3	Q184	H-9
D503	F-3	Q201	C-7
D504	F-2	Q202	C-7
D505	F-2	Q203	D-7
D506	F-3	Q391	D-1
D507	F-2	Q392	C-1
D508	F-2	Q393	D-1
D509	F-2	Q394	C-1
D510	F-2	Q395	C-2
D512	F-2	Q396	D-2
D601	E-10	Q397	C-1
D602	E-10	Q501	E-5
D603	E-10	Q601	E-11
D604	E-10	Q602	D-11
D605	E-10	Q603	E-11
D606	F-10	Q604	E-11
D607	F-10	Q605	E-11
D608	F-10	Q606	F-11
D691	F-12	Q607	F-11
D692	F-12	Q608	F-11
D693	G-12	Q609	H-9
D912	G-3	Q610	G-9
D913	F-3	Q611	F-10
D914	G-3	Q612	G-9
D951	H-5	Q613	G-9
D952	H-4	Q614	F-9
		Q615	E-10
IC101	B-10	Q616	F-10
IC201	F-8	Q617	E-10
IC203	D-7	Q618	F-10
IC204	D-7	Q691	G-12
IC301	B-4	Q692	G-12
IC401	D-4	Q901	H-4
IC501	F-3	Q902	H-4
IC551	I-12	Q903	H-5
IC601	H-12	Q904	H-5
IC602	H-11	Q905	H-4
IC603	G-11	Q906	H-3
IC604	G-10	Q910	G-3
IC691	F-12	Q911	G-3
IC901	H-4	Q912	G-4
IC902	H-5	Q913	F-3
IC903	G-3	Q941	I-7
IC905	H-2	Q942	I-7
IC906	I-3		
IC907	G-2		

6-24. PRINTED WIRING BOARD – MAIN Board – • See page 23 for Circuit Boards Location.

【MAIN BOARD】

(Page 54)
19 SURR AMP BOARD CN1001

18 MIC BOARD ND1601 (Page 51)

TUNER PACK
SUPPLIED WITH
THE ASSEMBLED BLOCK

(Page 38)
12 IF BOARD CN3

16 AUDIO BOARD CN601 (Page 42)

20 PANEL BOARD CN701 (Page 56)

(EA, MY, SP, HK, TH, TW, CH)

17 LEAF SW BOARD CN1001 (Page 44)

(Page 60)
21 SUB TRANS BOARD CN903 (US, CND, AEP, UK)

VIDEO (AUDIO) IN
J101
IN
MD
OUT

J102 WOOFER OUT

J691 S VIDEO OUT

J692 VIDEO OUT

FAN101 (FAN)

IC551 CD DIGITAL OUT OPTICAL

1-677-192-12

EP901 (CHASSIS)

(Page 52) 22 FRONT AMP BOARD CN803

23 FRONT AMP BOARD CN804 (Page 52)

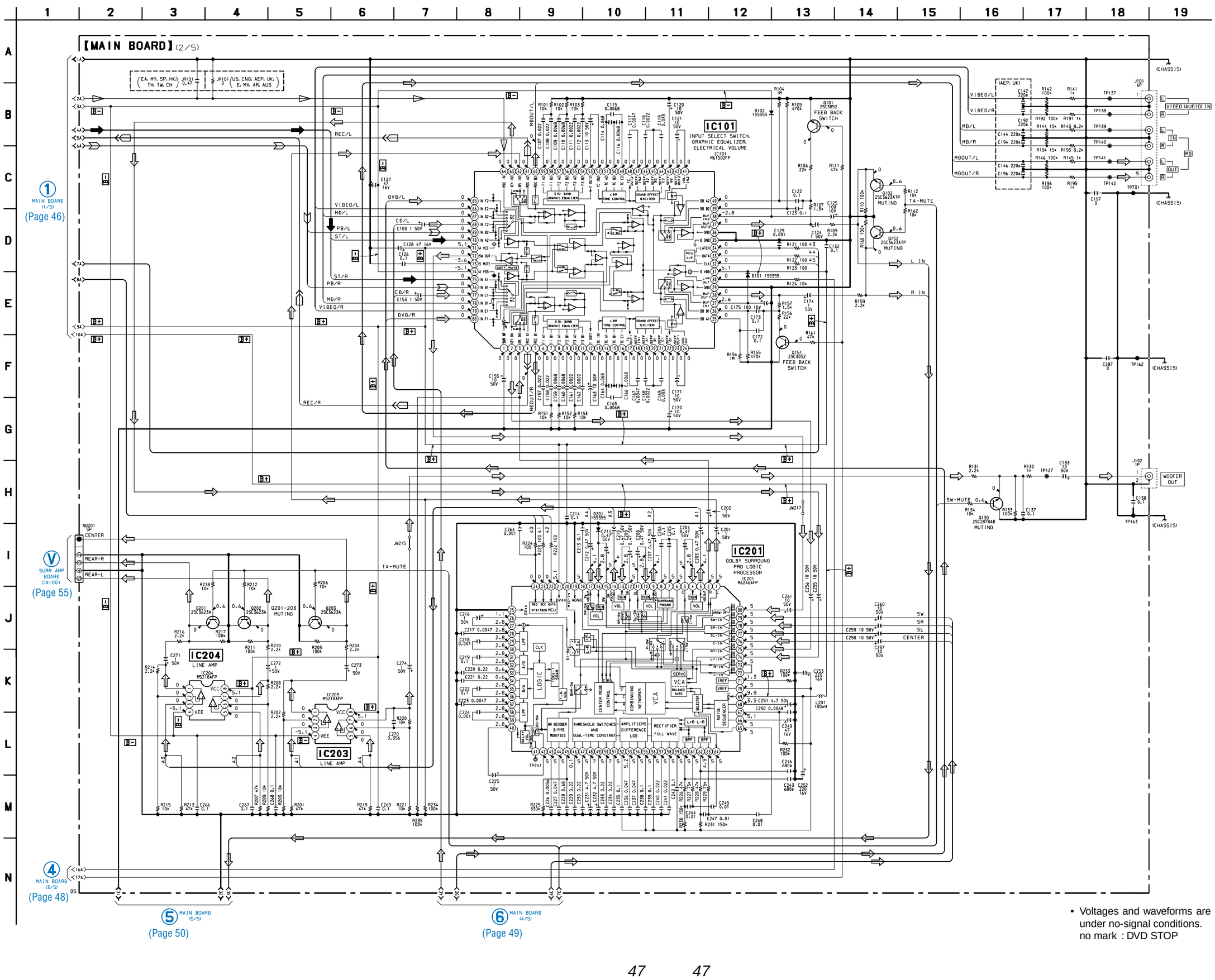
13 IF BOARD CN8 (Page 38)

14 IF BOARD CN6 (Page 38)

6-25. SCHEMATIC DIAGRAM – MAIN Board (1/5) – • See page 62 for Waveforms.

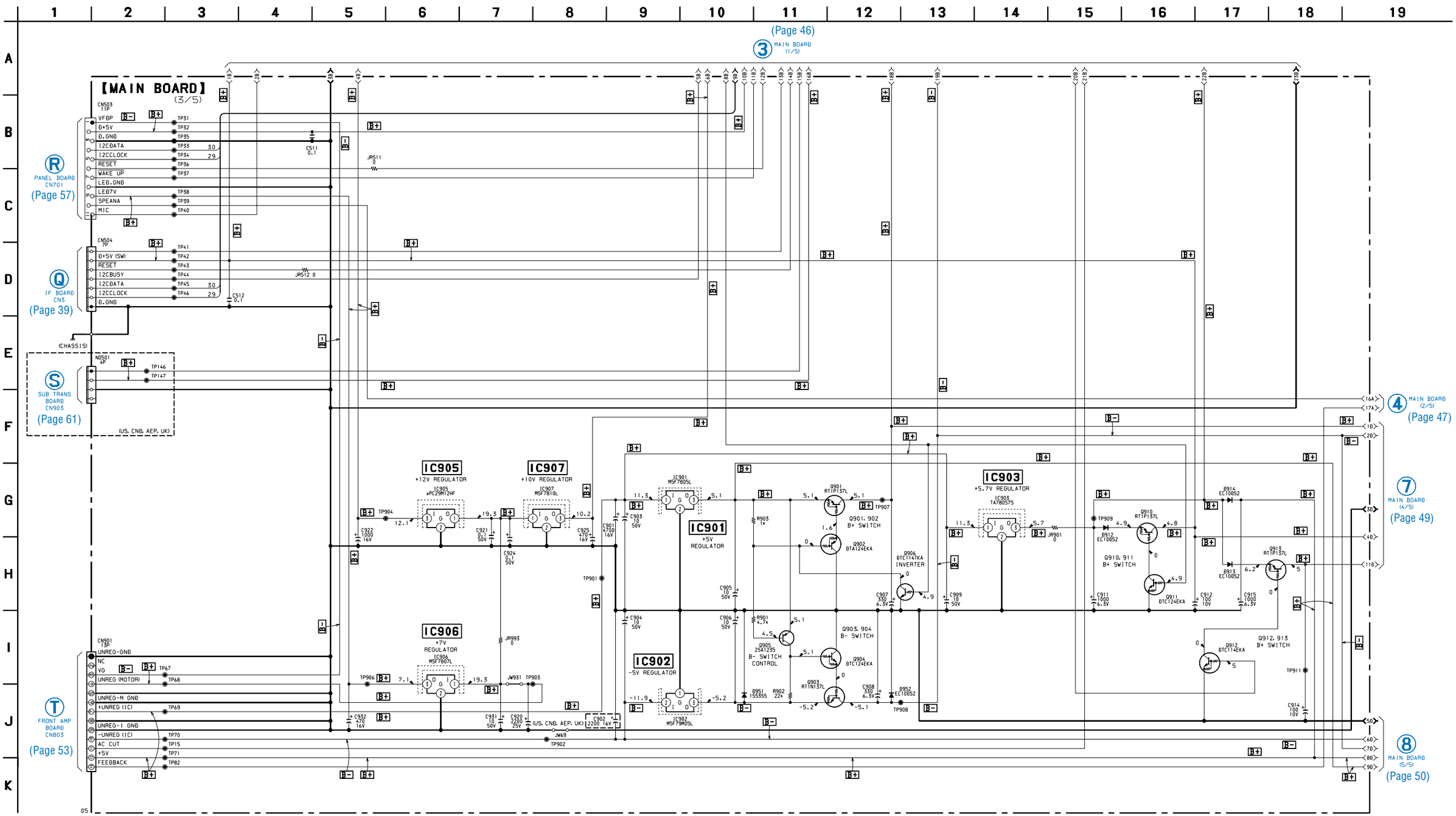
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
  no mark : DVD STOP
  [ ] : TAPE A STOP
  * : Impossible to measure

6-26. SCHEMATIC DIAGRAM – MAIN Board (2/5) –



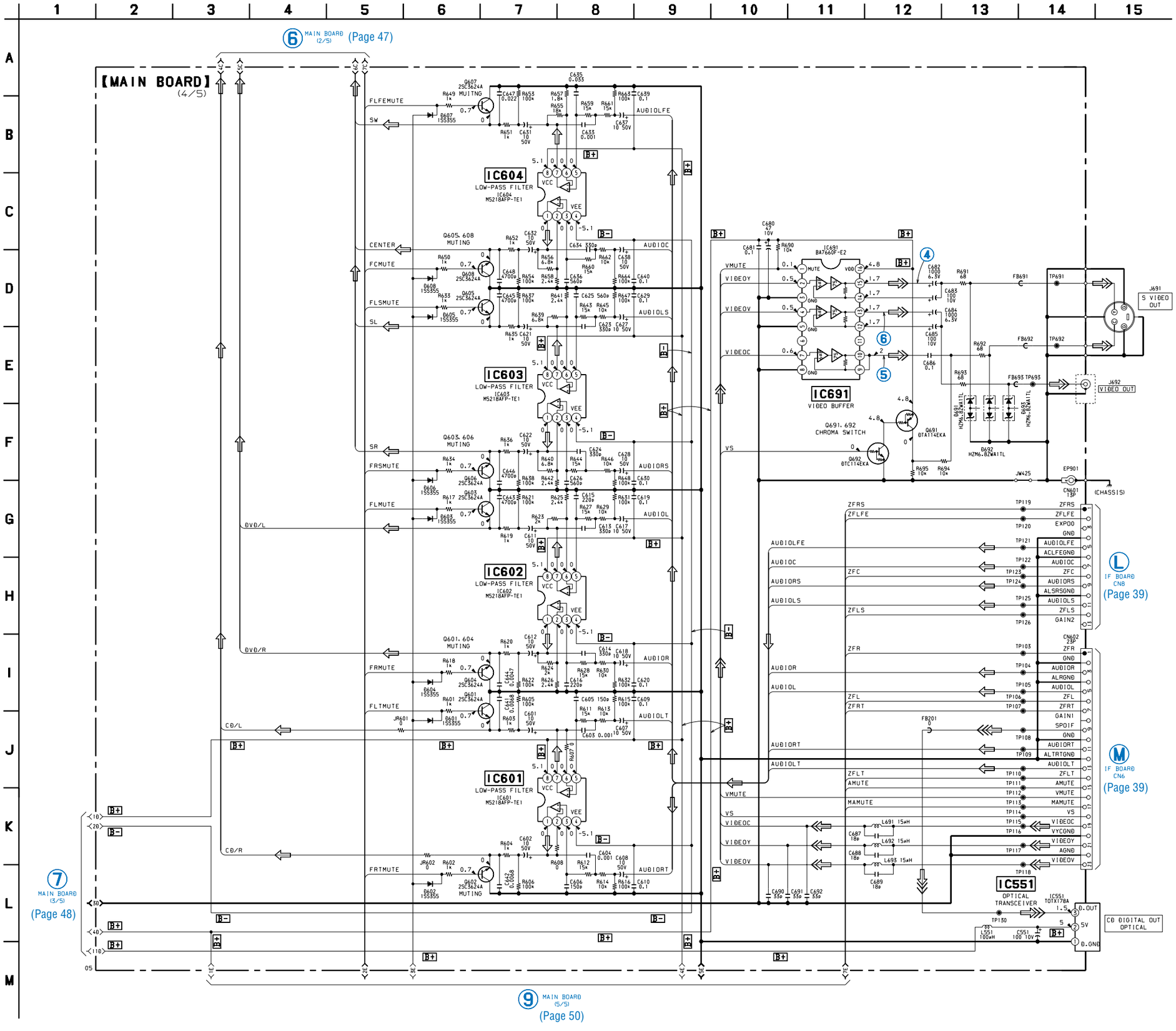
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
  no mark : DVD STOP

6-27. SCHEMATIC DIAGRAM – MAIN Board (3/5) –


【MAIN BOARD】
(3/5)
(Page 46)
3 MAIN BOARD (1/5)
R PANEL BOARD CN701 (Page 57)
Q IF BOARD CN3 (Page 39)
S SUB TRANS BOARD CN903 (Page 61)
T FRONT AMP BOARD CN803 (Page 53)
4 MAIN BOARD (2/5) (Page 47)
7 MAIN BOARD (4/5) (Page 49)
8 MAIN BOARD (5/5) (Page 50)
IC905 +12V REGULATOR
IC907 +10V REGULATOR
IC901 +5V REGULATOR
IC902 -5V REGULATOR
IC903 +5.7V REGULATOR
IC906 +7V REGULATOR
Q901, 902 B+ SWITCH
Q903, 904 B- SWITCH
Q905 2SA1235 B- SWITCH CONTROL
Q906 DTC114EKA INVERTER
Q910, 911 B+ SWITCH
Q912, 913 B+ SWITCH
(CHASSIS)
(US, CND, AEP, UK)

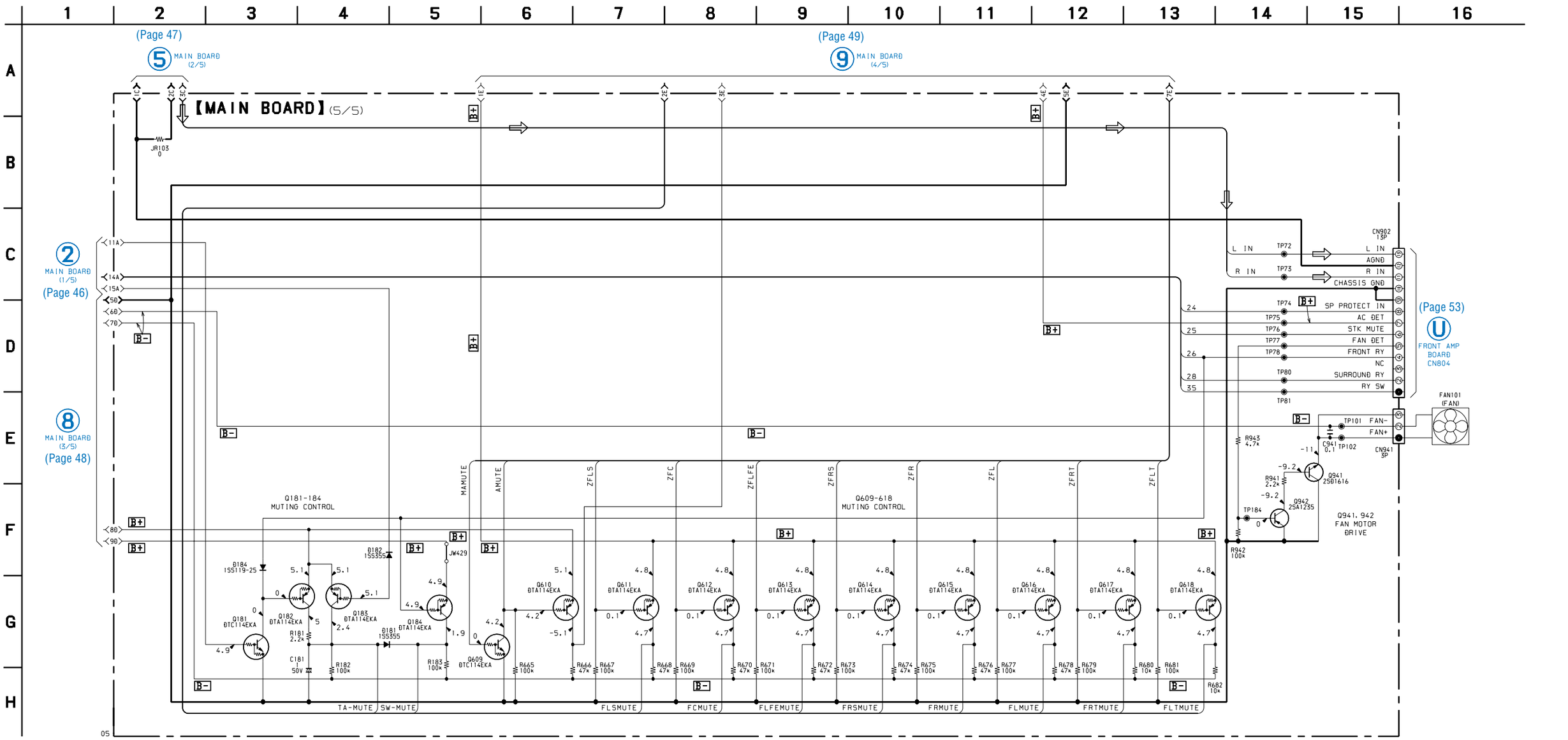
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
  no mark : DVD STOP

6-28. SCHEMATIC DIAGRAM – MAIN Board (4/5) – • See page 62 for Waveforms.



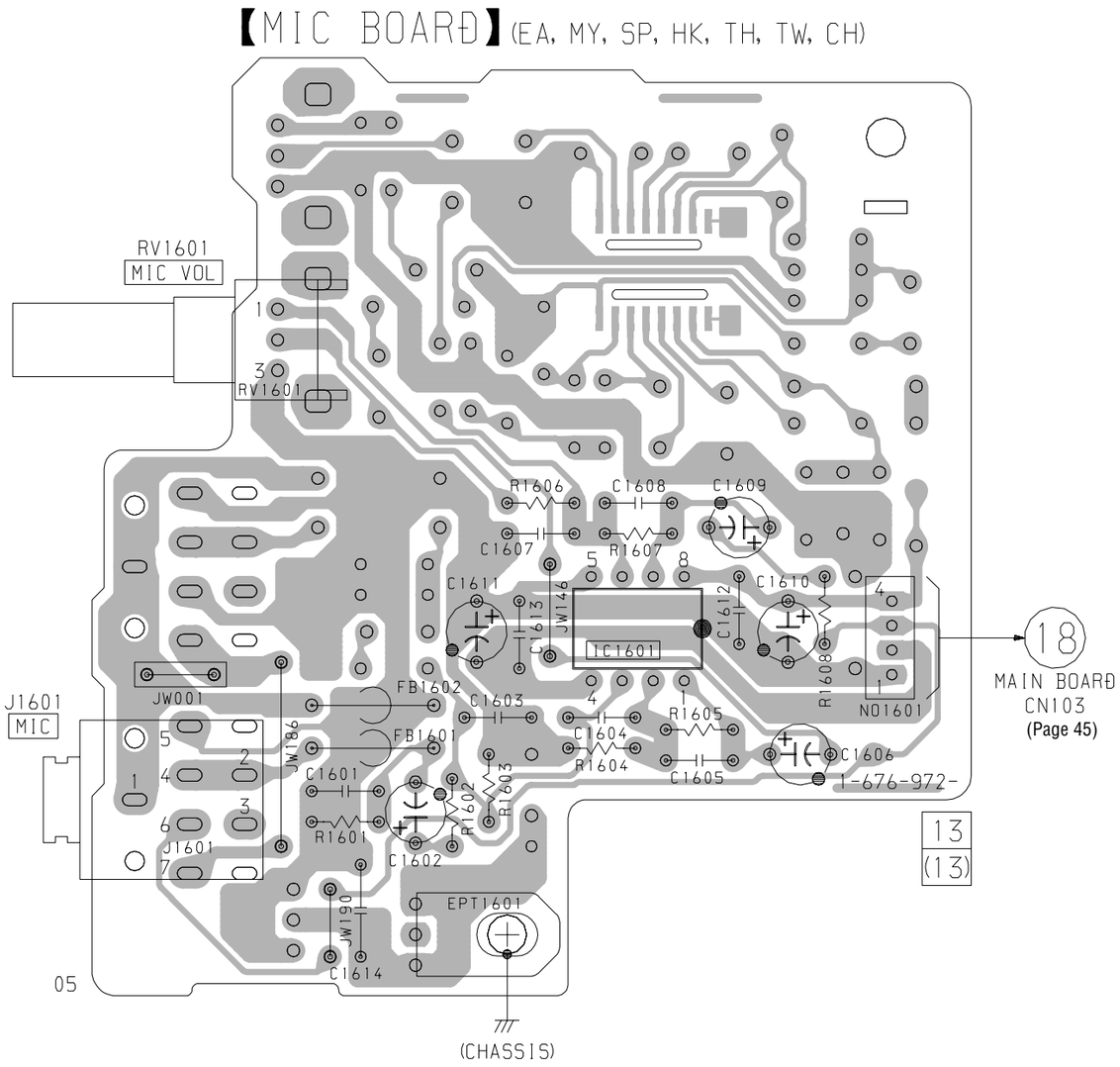
• Voltages and waveforms are dc with respect to ground under no-signal conditions.
no mark : DVD STOP

6-29. SCHEMATIC DIAGRAM – MAIN Board (5/5) –

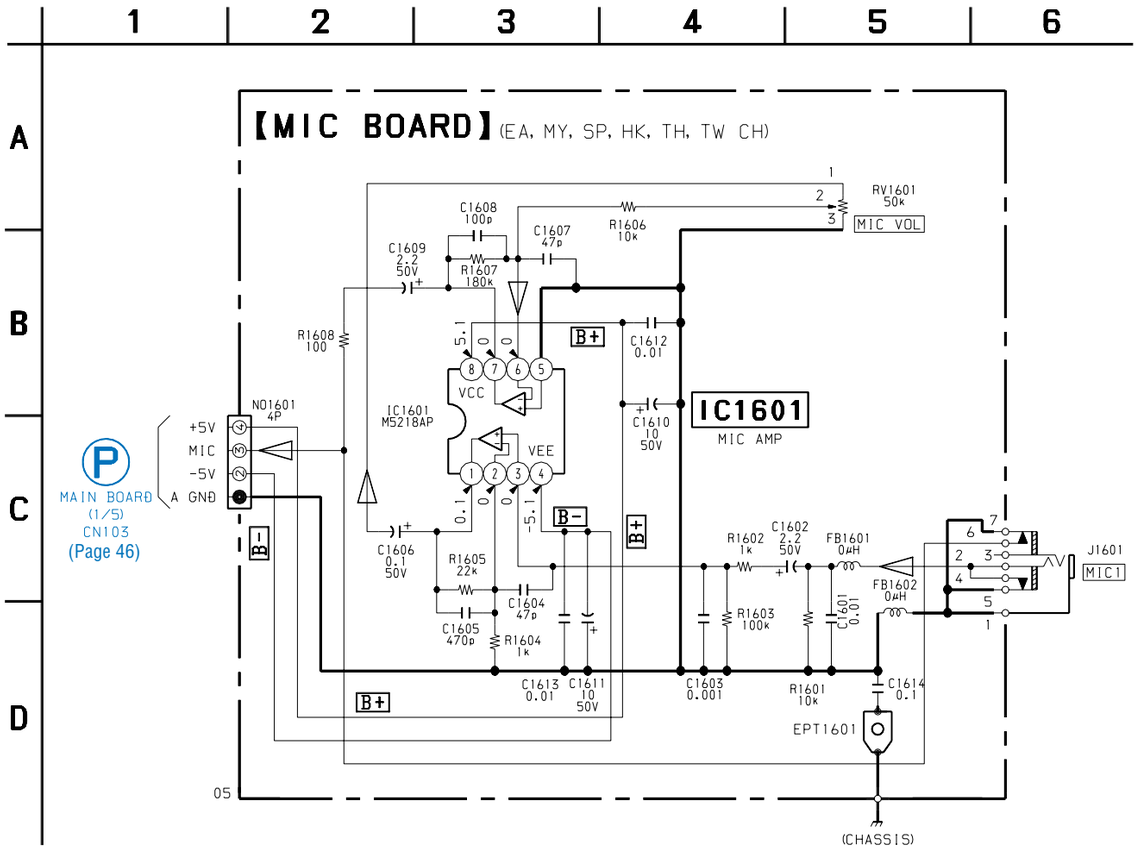


- Voltages and waveforms are dc with respect to ground under no-signal conditions.
  no mark : DVD STOP

6-30. PRINTED WIRING BOARD – MIC Board – • See page 23 for Circuit Boards Location.



6-31. SCHEMATIC DIAGRAM – MIC Board –

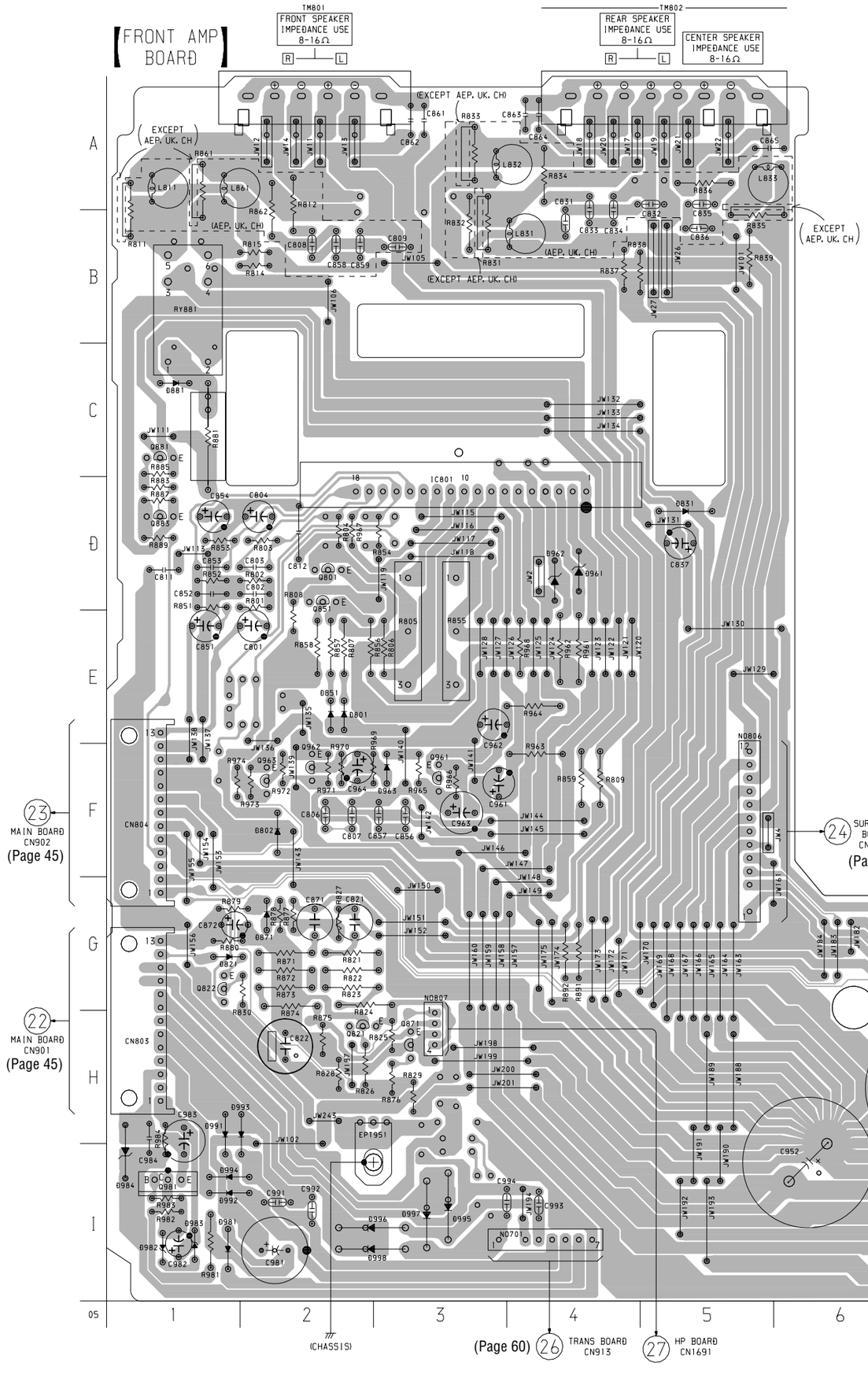


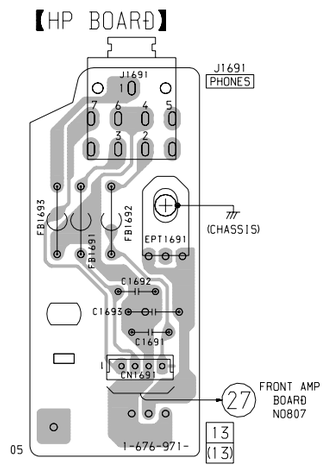
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM

6-32. PRINTED WIRING BOARDS – FRONT AMP/HP Boards – • See page 23 for Circuit Boards Location.

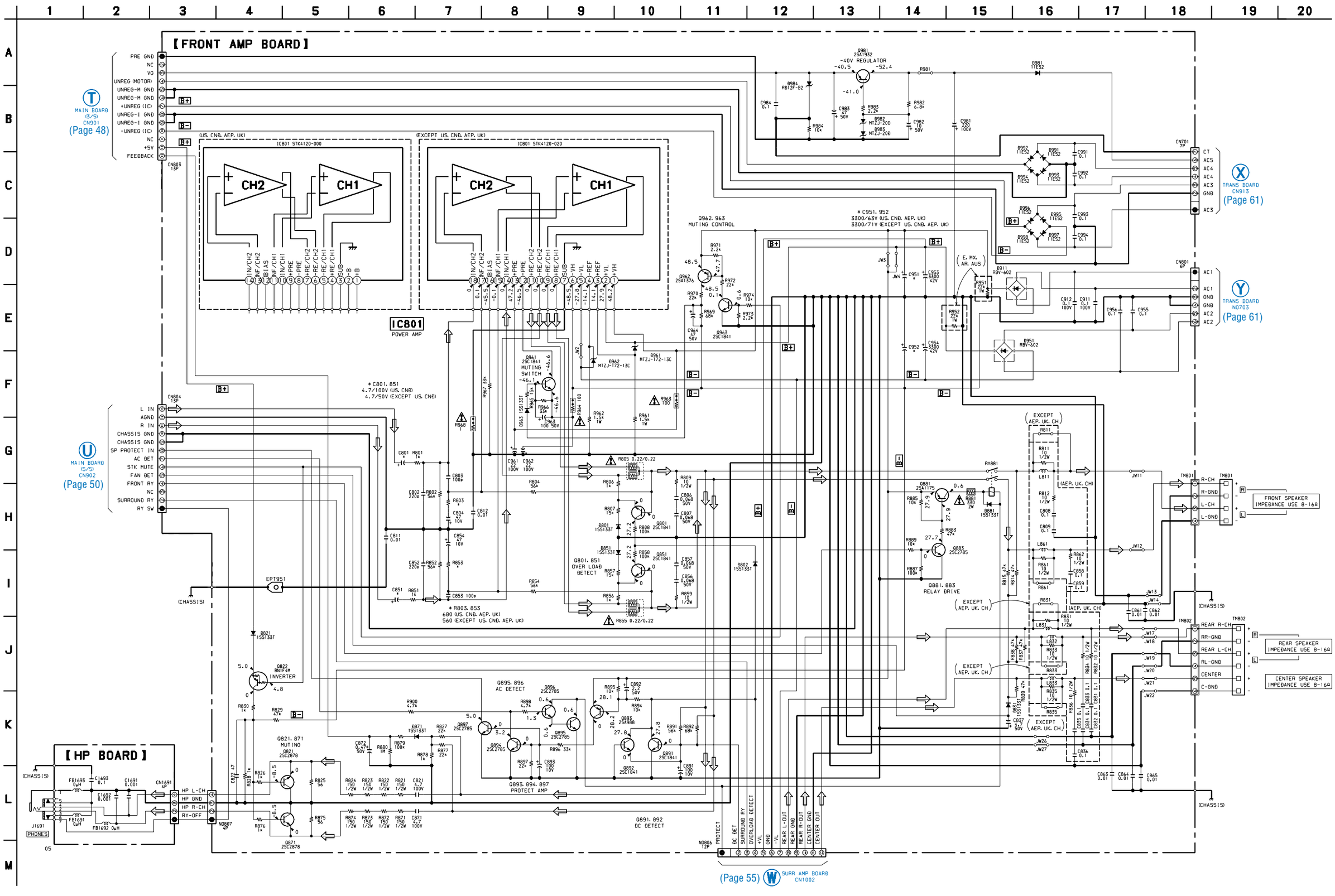
• **Semiconductor Location**

Ref. No.	Location
D801	E-2
D802	F-2
D821	G-1
D831	D-5
D851	E-2
D871	G-2
D881	C-1
D911	G-8
D951	I-9
D961	D-4
D962	D-4
D963	F-3
D981	I-1
D982	I-1
D983	I-1
D984	I-1
D991	H-1
D992	I-1
D993	H-2
D994	I-1
D995	I-3
D996	I-3
D997	I-3
D998	I-3
IC801	D-3
Q801	D-2
Q821	H-2
Q822	G-1
Q851	D-2
Q871	H-3
Q881	C-1
Q883	D-1
Q891	G-7
Q892	G-7
Q893	G-8
Q894	G-8
Q895	G-9
Q896	G-9
Q897	G-9
Q961	F-3
Q962	F-2
Q963	F-2
Q981	I-1





6-33. SCHEMATIC DIAGRAM – FRONT AMP/HP Boards –



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

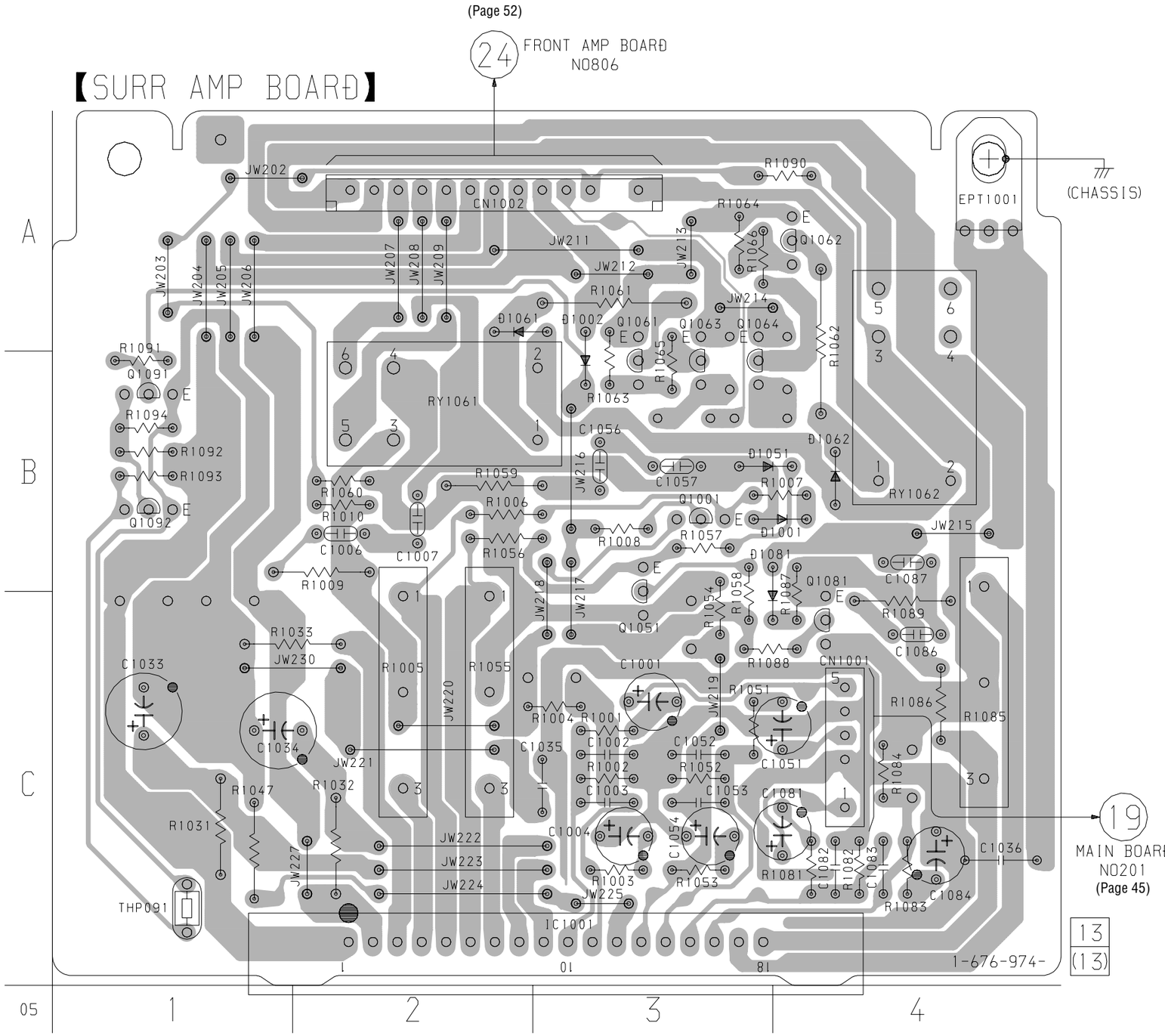
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM

6-34. PRINTED WIRING BOARD – SURR AMP Board –

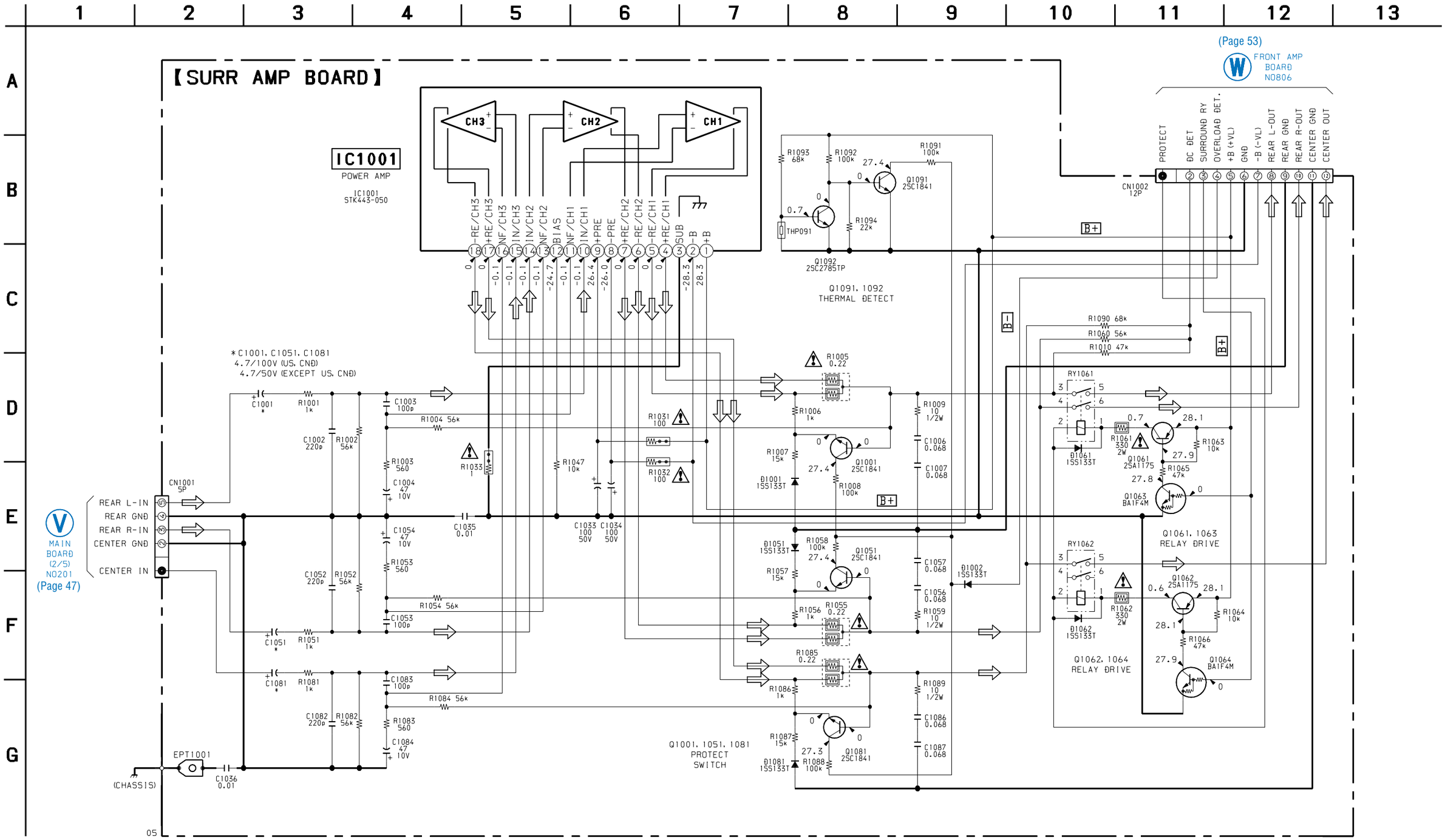
• See page 23 for Circuit Boards Location.

• **Semiconductor Location**

Ref. No.	Location
D1001	B-4
D1002	B-3
D1051	B-3
D1061	A-2
D1062	B-4
D1081	C-3
IC1001	C-3
Q1001	B-3
Q1051	C-3
Q1061	B-3
Q1062	A-4
Q1063	B-3
Q1064	B-3
Q1081	C-4
Q1091	B-1
Q1092	B-1



6-35. SCHEMATIC DIAGRAM – SURR AMP Board –



- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

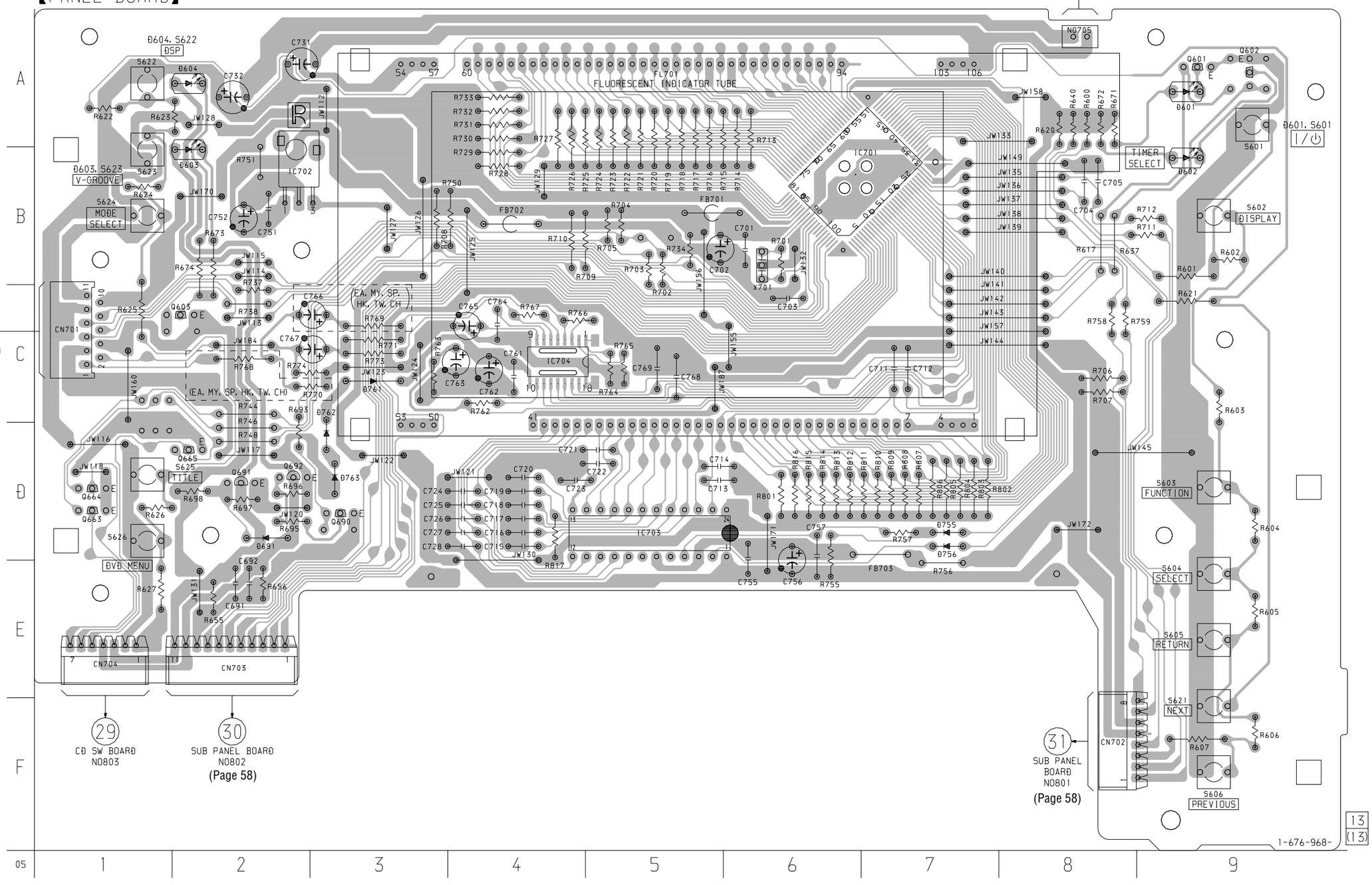
6-36. PRINTED WIRING BOARDS – PANEL/CD SW Boards –

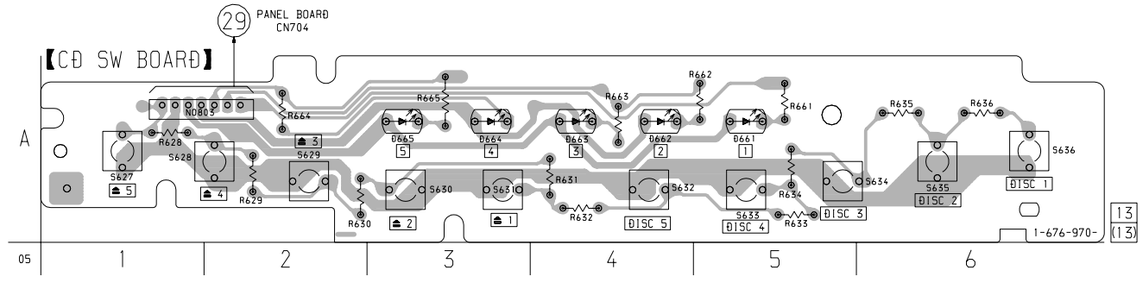
• See page 23 for Circuit Boards Location.

- **Semiconductor Location**

Ref. No.	Location
D601	A-9
D602	B-9
D603	B-2
D604	A-2
D691	D-2
D755	D-7
D756	D-7
D761	C-3
D762	D-3
D763	D-3
IC701	B-6
IC702	B-2
IC703	D-5
IC704	C-4
Q601	A-9
Q602	A-9
Q603	C-2
Q663	D-1
Q664	D-1
Q665	D-2
Q690	D-3
Q691	D-2
Q692	D-2
D661	A-5
D662	A-4
D663	A-4
D664	A-3
D665	A-3

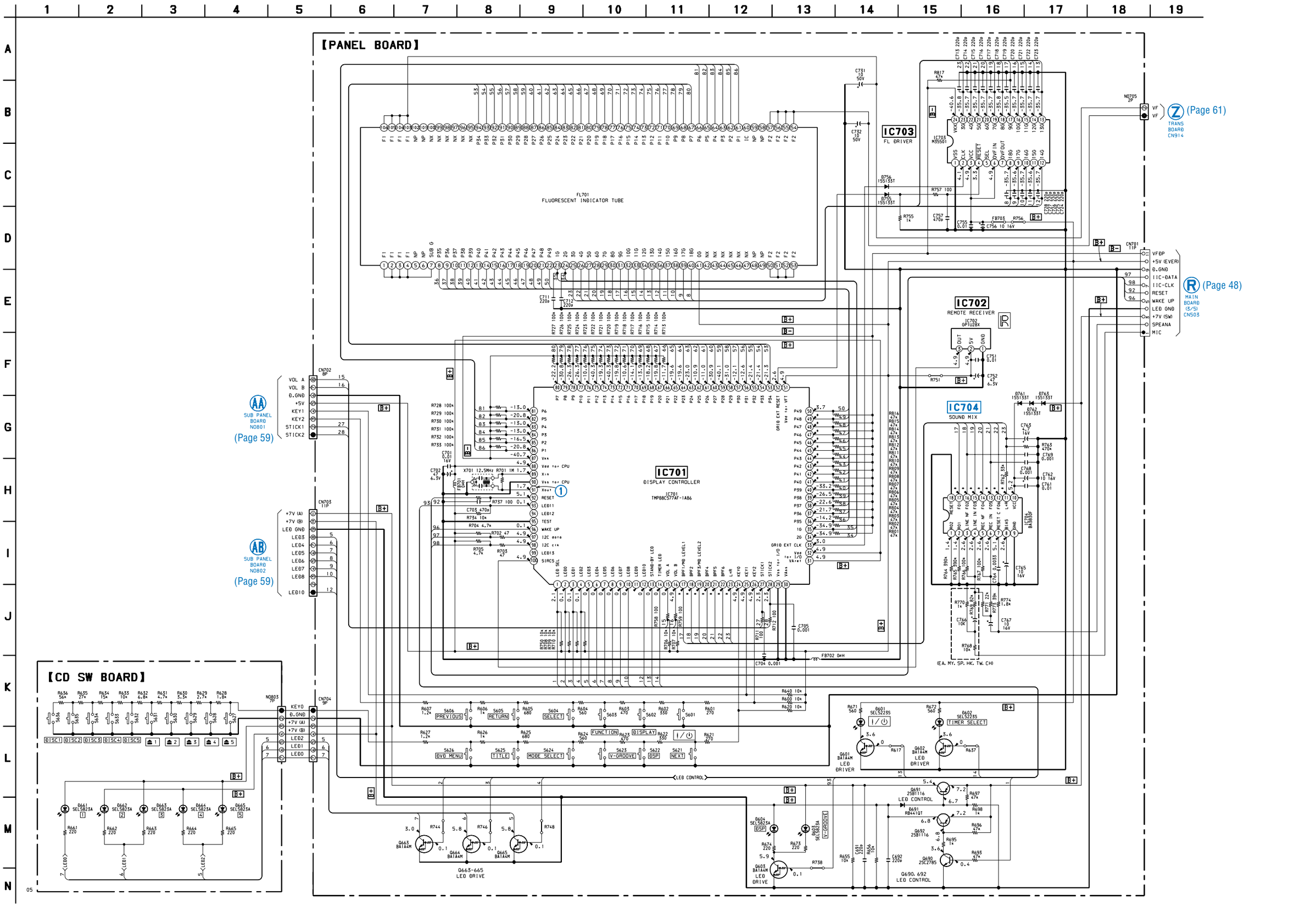
【PANEL BOARD】





6-37. SCHEMATIC DIAGRAM – PANEL/CD SW Boards –

• See page 62 for Waveform. • See page 62 for IC Block Diagram.

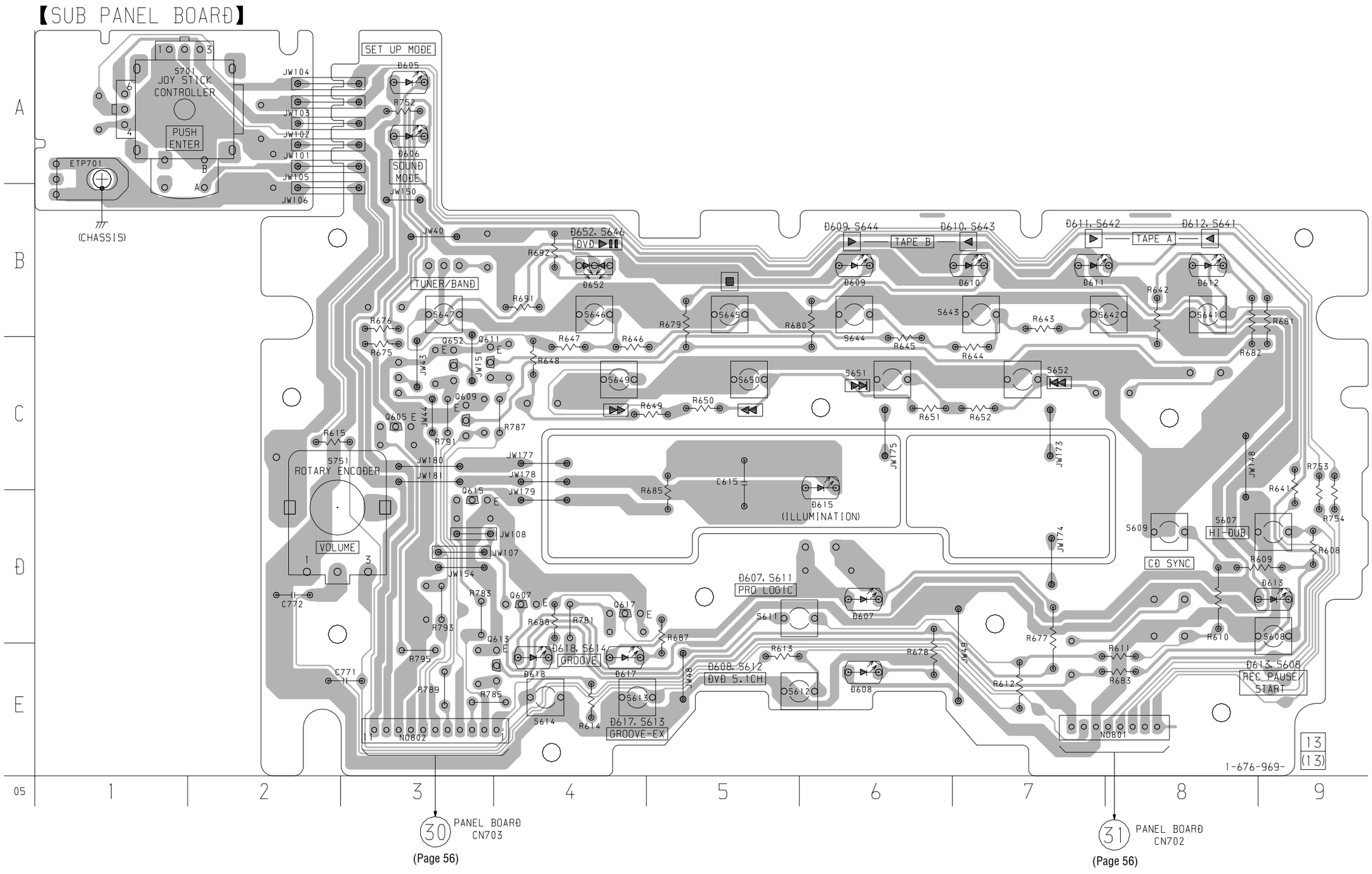


- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM

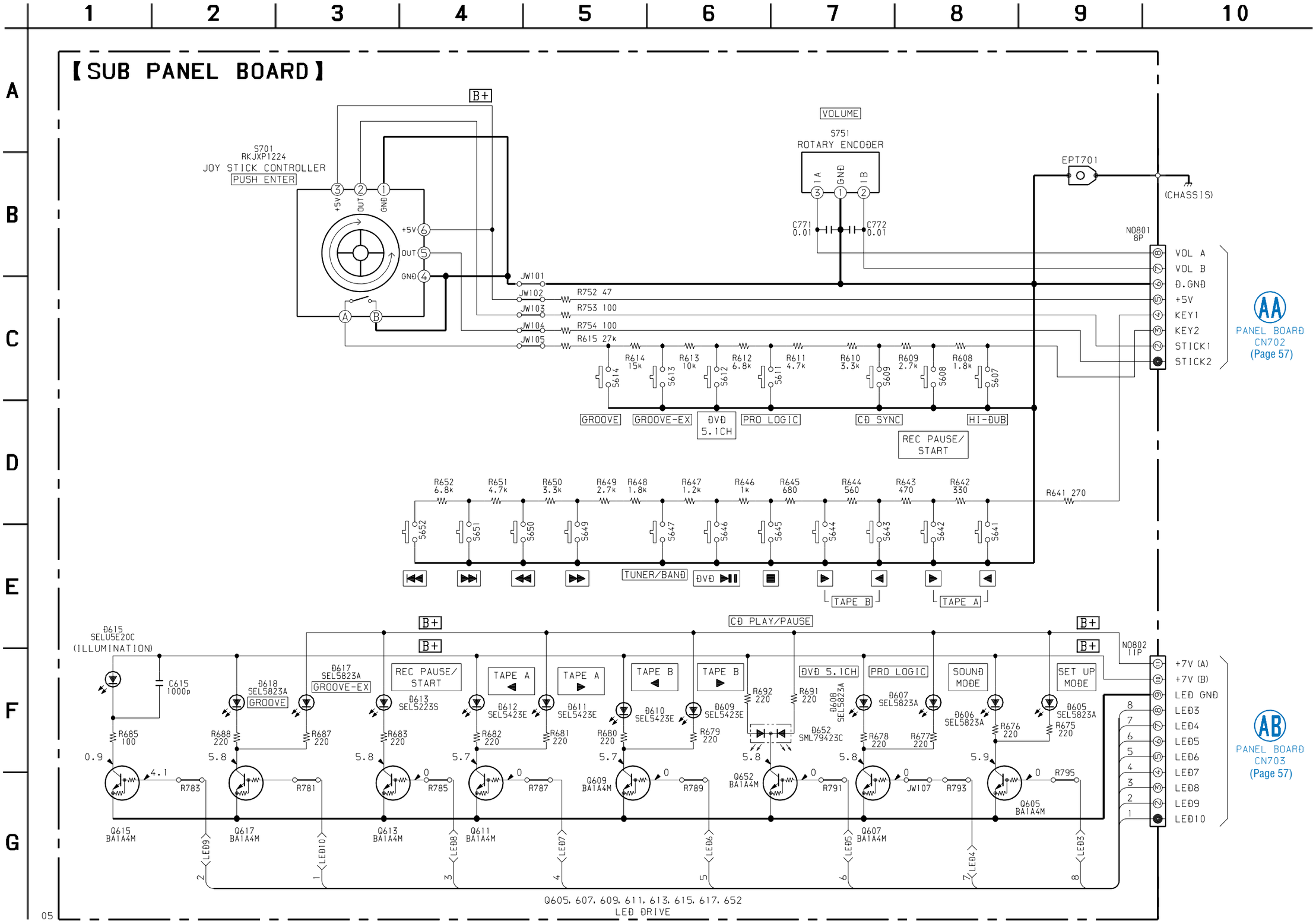
6-38. PRINTED WIRING BOARD – SUB PANEL Board – • See page 23 for Circuit Boards Location.

- **Semiconductor Location**

Ref. No.	Location
D605	A-3
D606	A-3
D607	D-6
D608	E-6
D609	B-6
D610	B-7
D611	B-7
D612	B-8
D613	D-9
D615	C-6
D617	E-4
D618	E-4
D652	B-4
Q605	C-3
Q607	D-4
Q609	C-3
Q611	C-3
Q613	E-4
Q615	D-3
Q617	D-4
Q652	C-3



6-39. SCHEMATIC DIAGRAM – SUB PANEL Board –



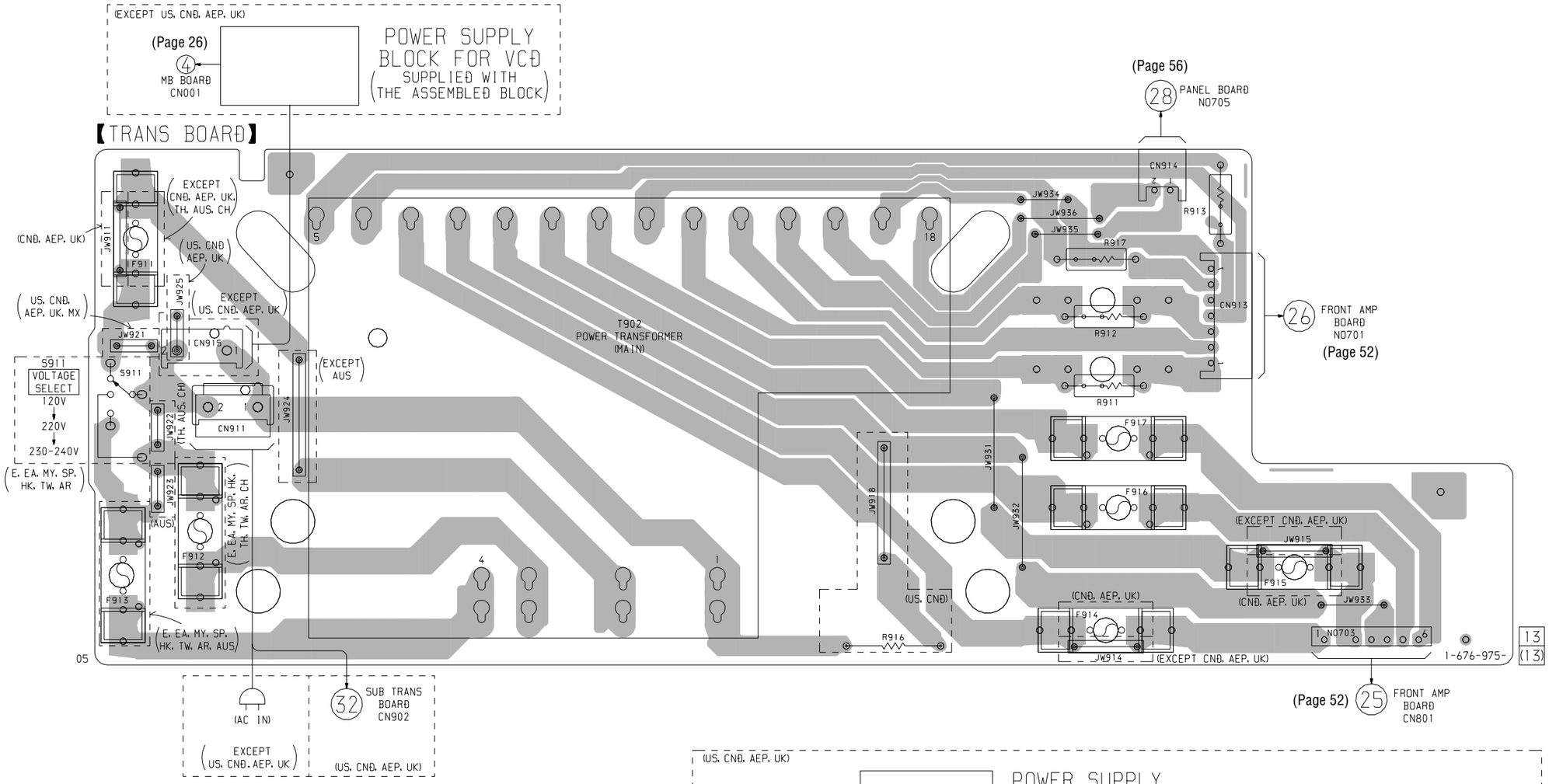
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM

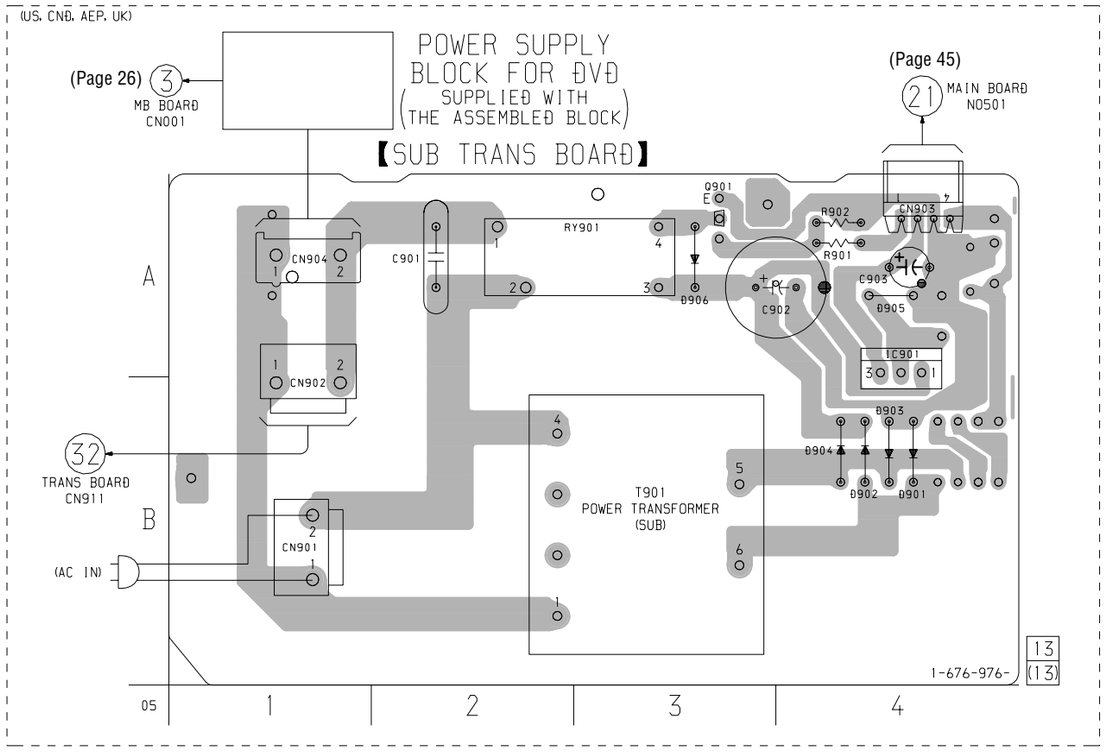
6-40. PRINTED WIRING BOARDS – TRANS/SUB TRANS Boards –

• See page 23 for Circuit Boards Location.

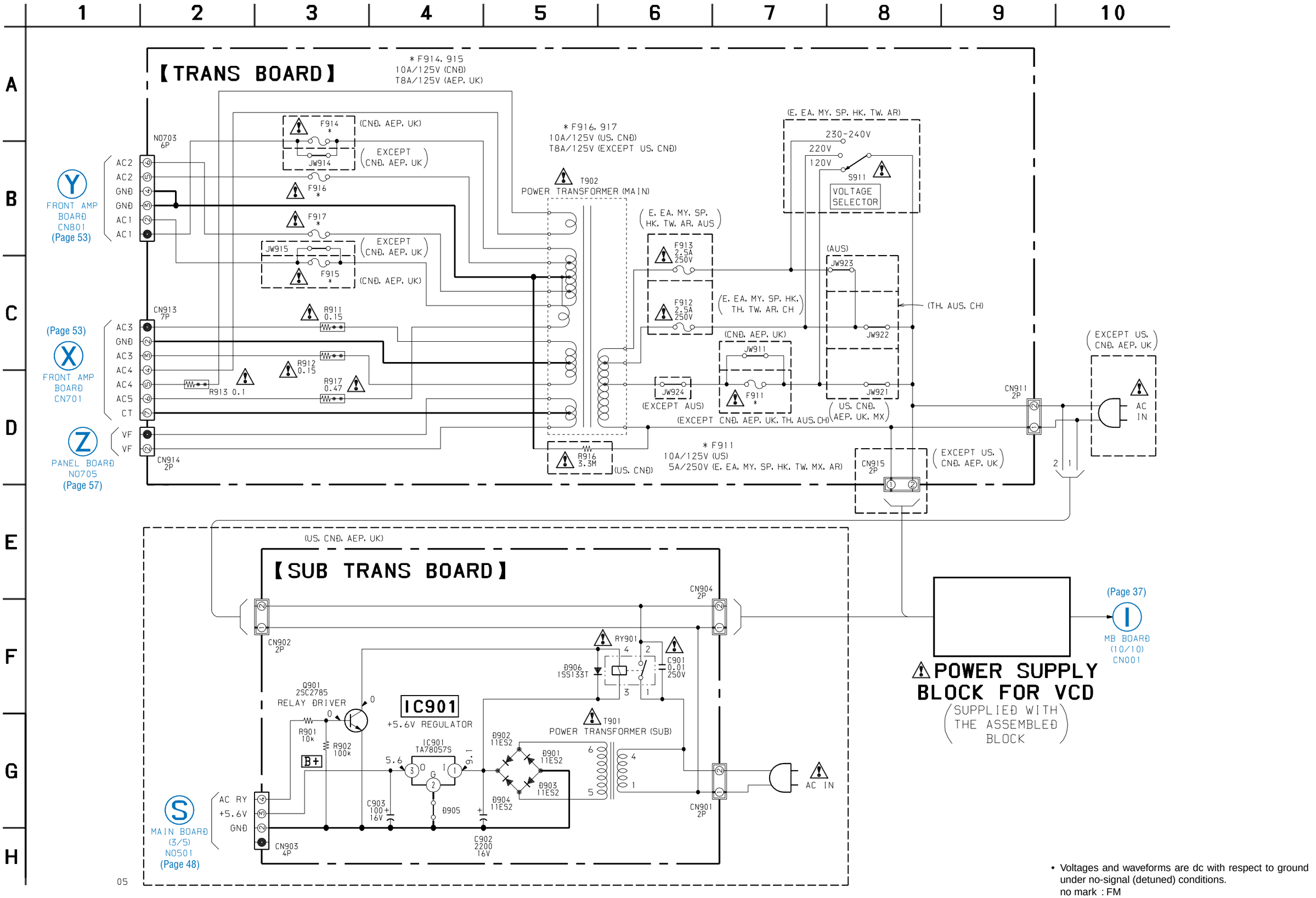
- **Semiconductor Location**

Ref. No.	Location
D901	B-4
D902	B-4
D903	B-4
D904	B-4
D906	A-3
IC901	A-4
Q901	A-3





6-41. SCHEMATIC DIAGRAM – TRANS/SUB TRANS Boards –



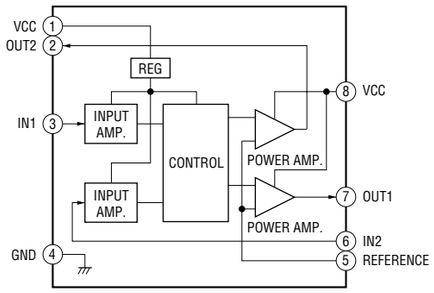
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

• IC Block Diagrams

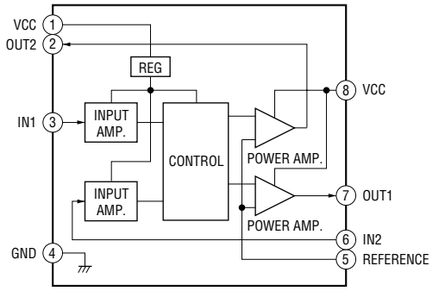
– CLAMP MOTOR Board –

IC701 M54641L



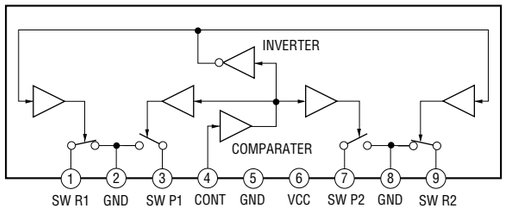
– LOAD MOTOR Board –

IC702 M54641L



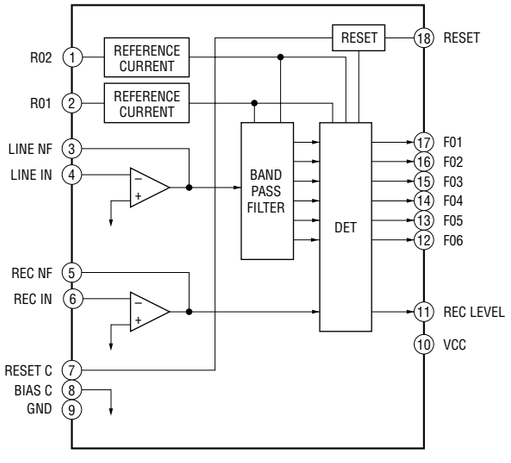
– AUDIO Board –

IC602 µPC1330HA



– PANEL Board –

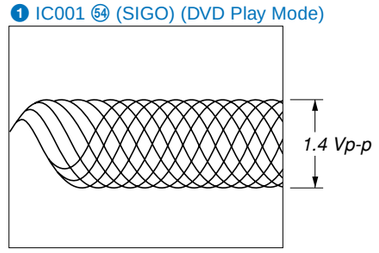
IC704 BA3830F



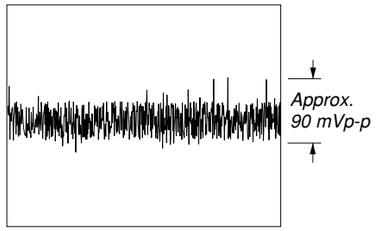
• Waveforms

– TK Board –

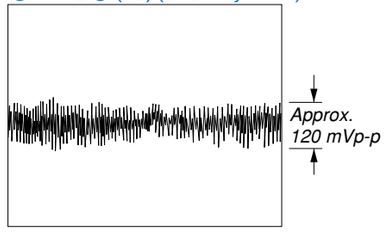
❶ IC001 ㊿ (SIGO) (DVD Play Mode)



❷ IC001 ㊵ (FE) (DVD Play Mode)

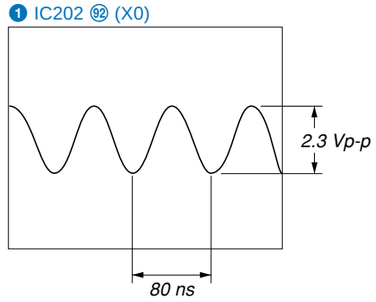


❸ IC001 ㊴ (TE) (DVD Play Mode)

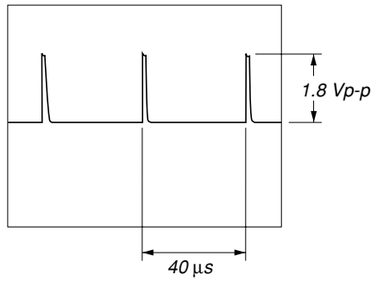


– MB Board –

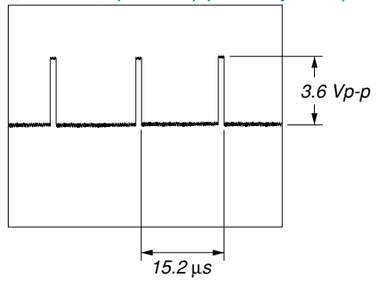
❶ IC202 ㉜ (X0)



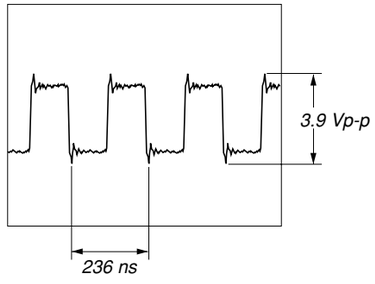
❷ IC303 ㊿ (MDP0) (DVD Play Mode)



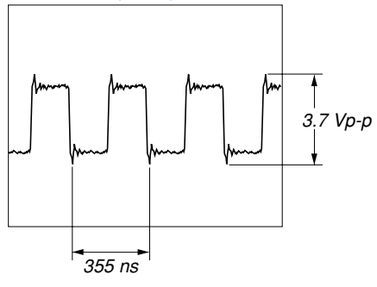
❸ IC303 ㊼ (JITPWM) (DVD Play Mode)



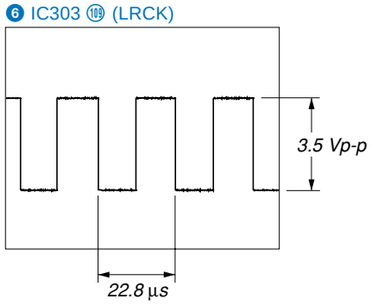
❹ IC303 ㊶ (SDCK)



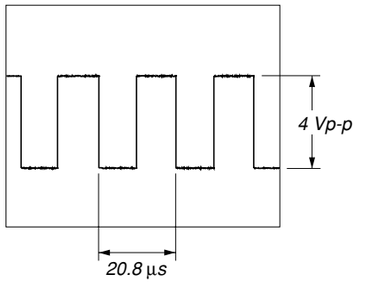
❺ IC303 ㊽ (BCLK)



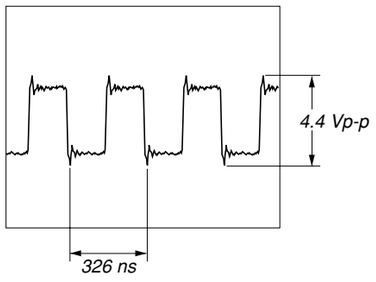
❻ IC303 ㊽ (LRCK)



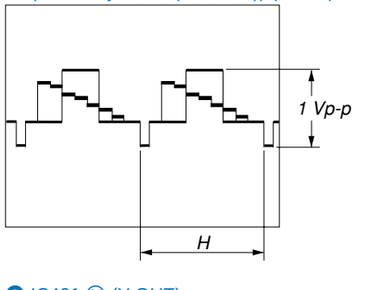
❼ IC401 ㉕ (LRCKO)



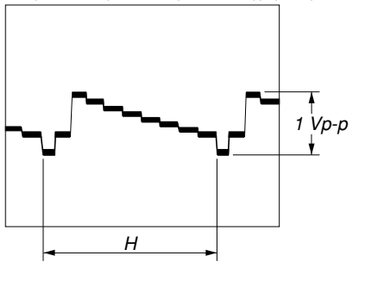
❽ IC401 ㉖



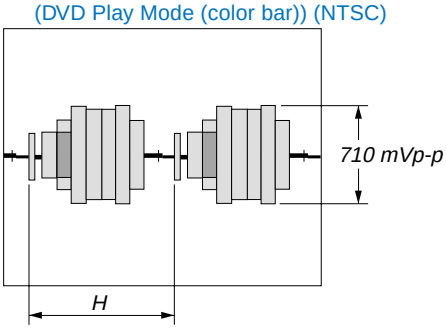
❾ IC401 ㊶ (Y OUT)
(DVD Play Mode (color bar)) (NTSC)



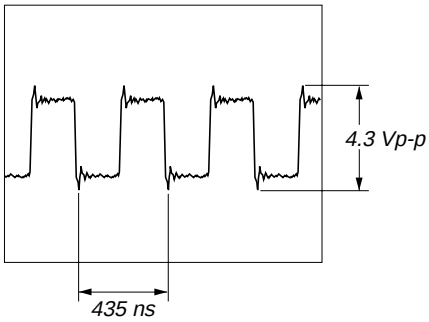
❾ IC401 ㊶ (Y OUT)
(DVD Play Mode (color bar)) (PAL)



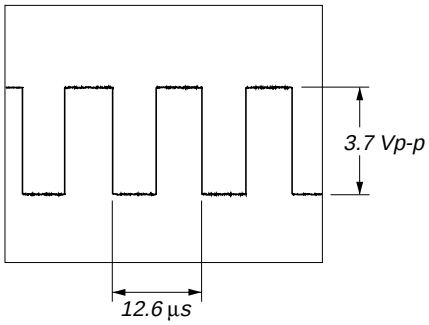
⑩ IC401 ㊷ (C OUT)
(DVD Play Mode (color bar)) (NTSC)



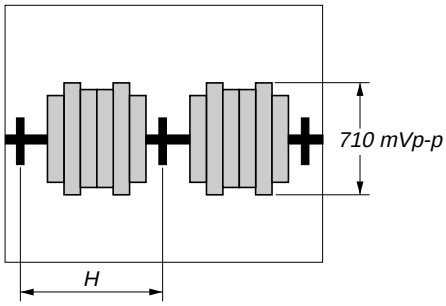
⑬ IC501 ⑨ (BCKO)



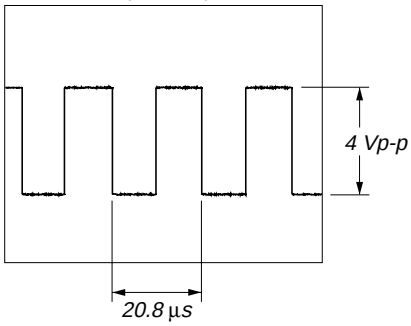
⑱ IC701 ⑧ (PWM1)



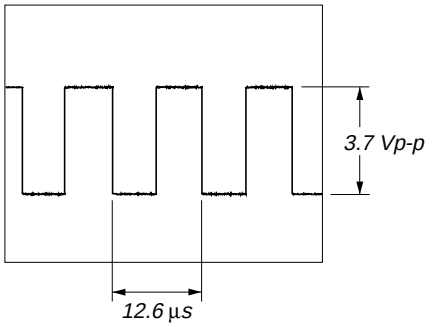
⑩ IC401 ㊷ (C OUT)
(DVD Play Mode (color bar)) (PAL)



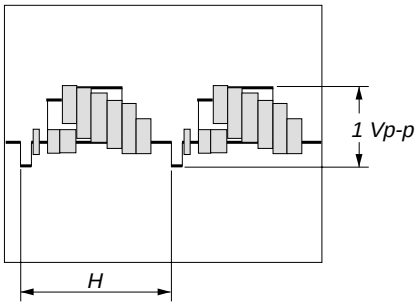
⑭ IC501 ⑩ (LRCKO)



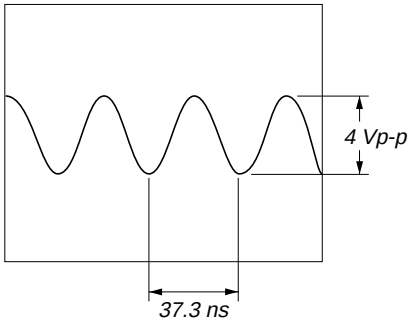
⑲ IC701 ⑨ (PWM0)



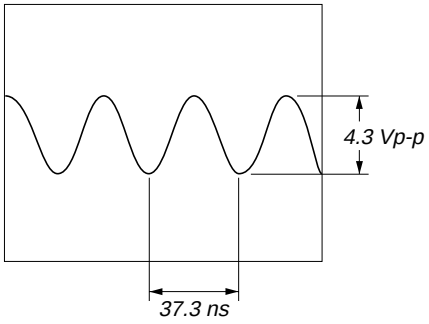
⑪ IC401 ㊺ (COMP OUT)
(DVD Play Mode (color bar)) (NTSC)



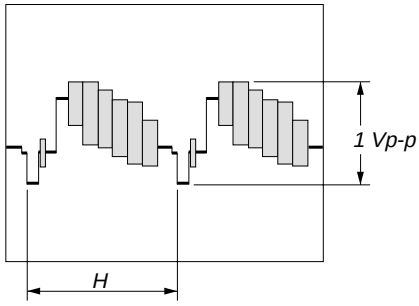
⑮ IC601 ㊾ (MCK)



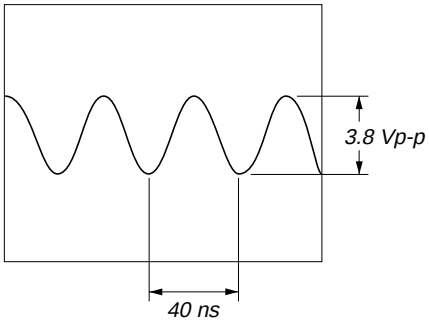
⑳ IC001 ⑥ (XT1)



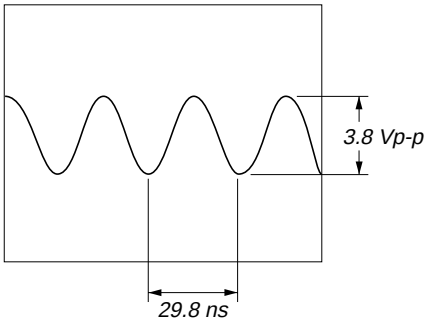
⑪ IC401 ㊺ (COMP OUT)
(DVD Play Mode (color bar)) (PAL)



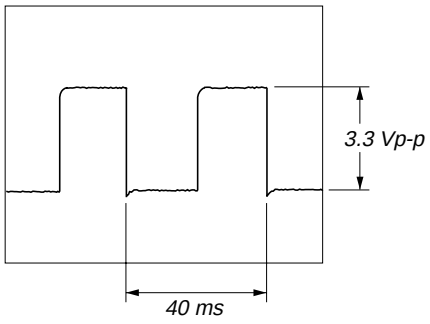
⑯ IC601 ㉝ (CPUCK)



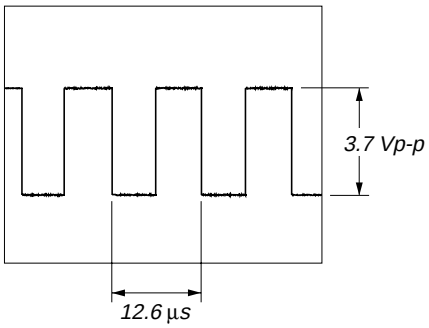
㉑ IC001 ⑫ (SCKO1)



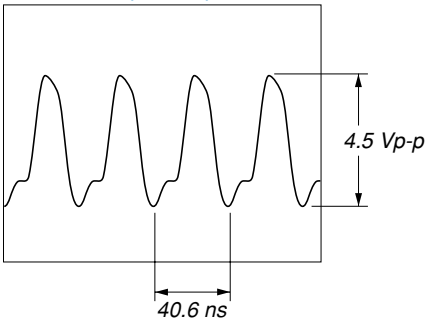
⑫ IC401 ㊷ (FLDO)



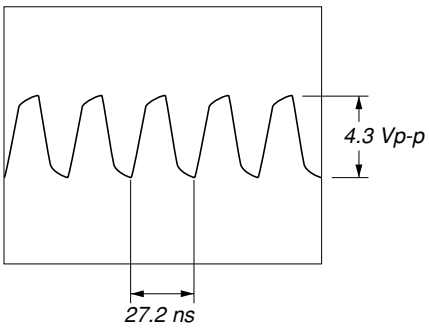
⑰ IC701 ⑦ (PWM2)



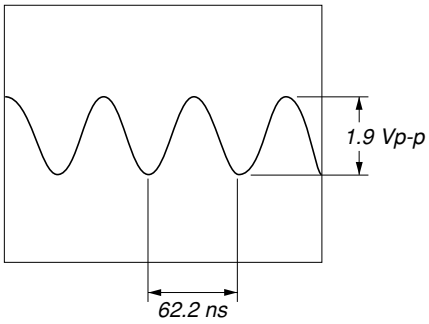
㉒ IC001 ⑭ (SCKO2)



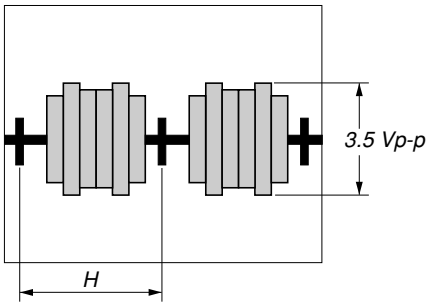
㉓ IC001 ⑰ (SCKO3)



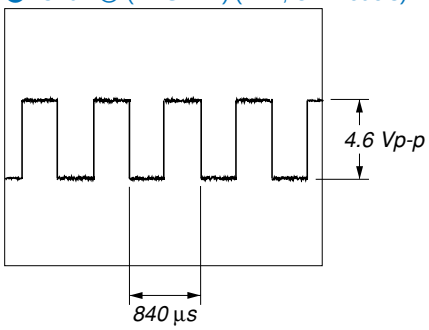
② IC401 ⑮ (X-IN)



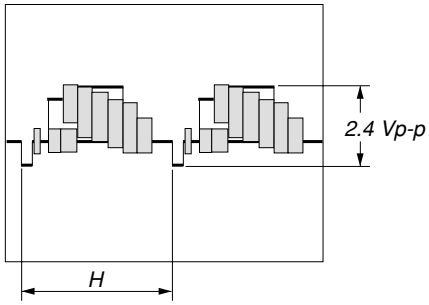
⑤ IC691 ⑩
(DVD Play Mode (color bar)) (PAL)



③ IC401 ⑳ (RDS-INT) (AEP, UK models)

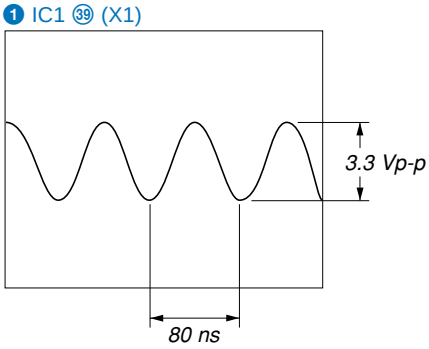


⑥ IC691 ⑬
(DVD Play Mode (color bar)) (NTSC)

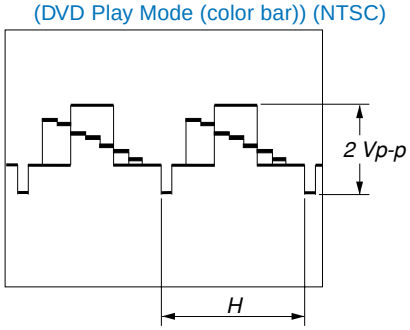


– IF Board –

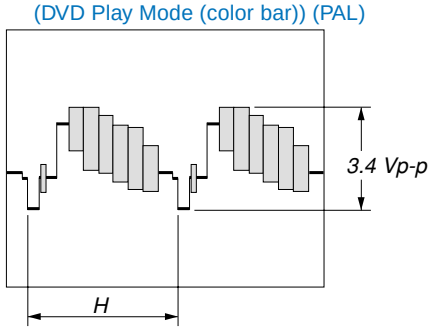
① IC1 ㊴ (X1)



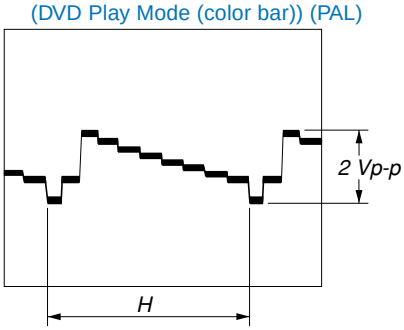
④ IC691 ⑮
(DVD Play Mode (color bar)) (NTSC)



⑥ IC691 ⑬
(DVD Play Mode (color bar)) (PAL)

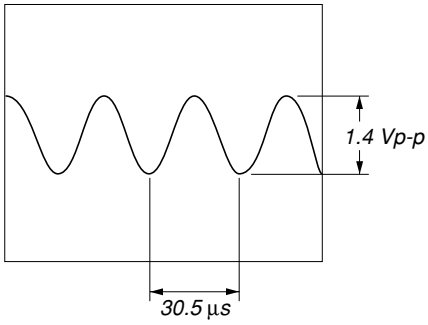


④ IC691 ⑮
(DVD Play Mode (color bar)) (PAL)

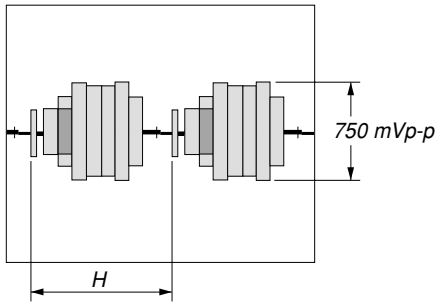


– MAIN Board –

① IC401 ⑩ (XC-IN)

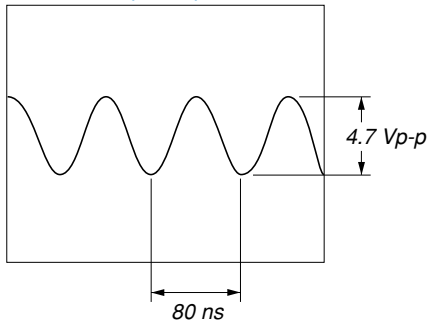


⑤ IC691 ⑩
(DVD Play Mode (color bar)) (NTSC)



– PANEL Board –

① IC701 ㉛ (XOUT)



SECTION 7
EXPLODED VIEWS

NOTE:
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of the electrical parts list.

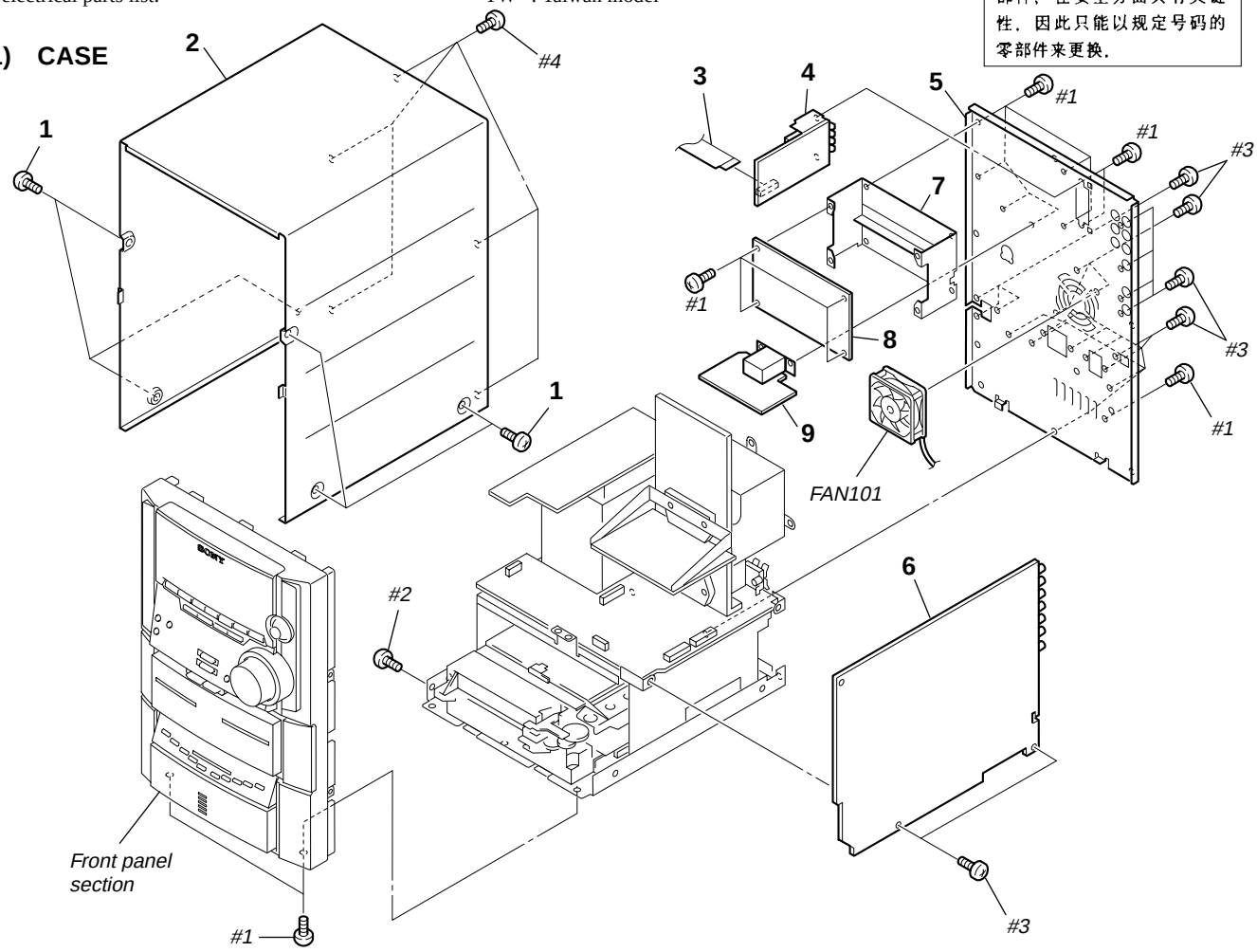
- Abbreviation
  AR : Argentine model
  AUS : Australian model
  CH : Chinese model
  CND : Canadian model
  EA : Saudi Arabia model
  HK : Hong Kong model
  MX : Mexican model
  MY : Malaysia model
  SP : Singapore model
  TH : Thai model
  TW : Taiwan model

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiquens pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

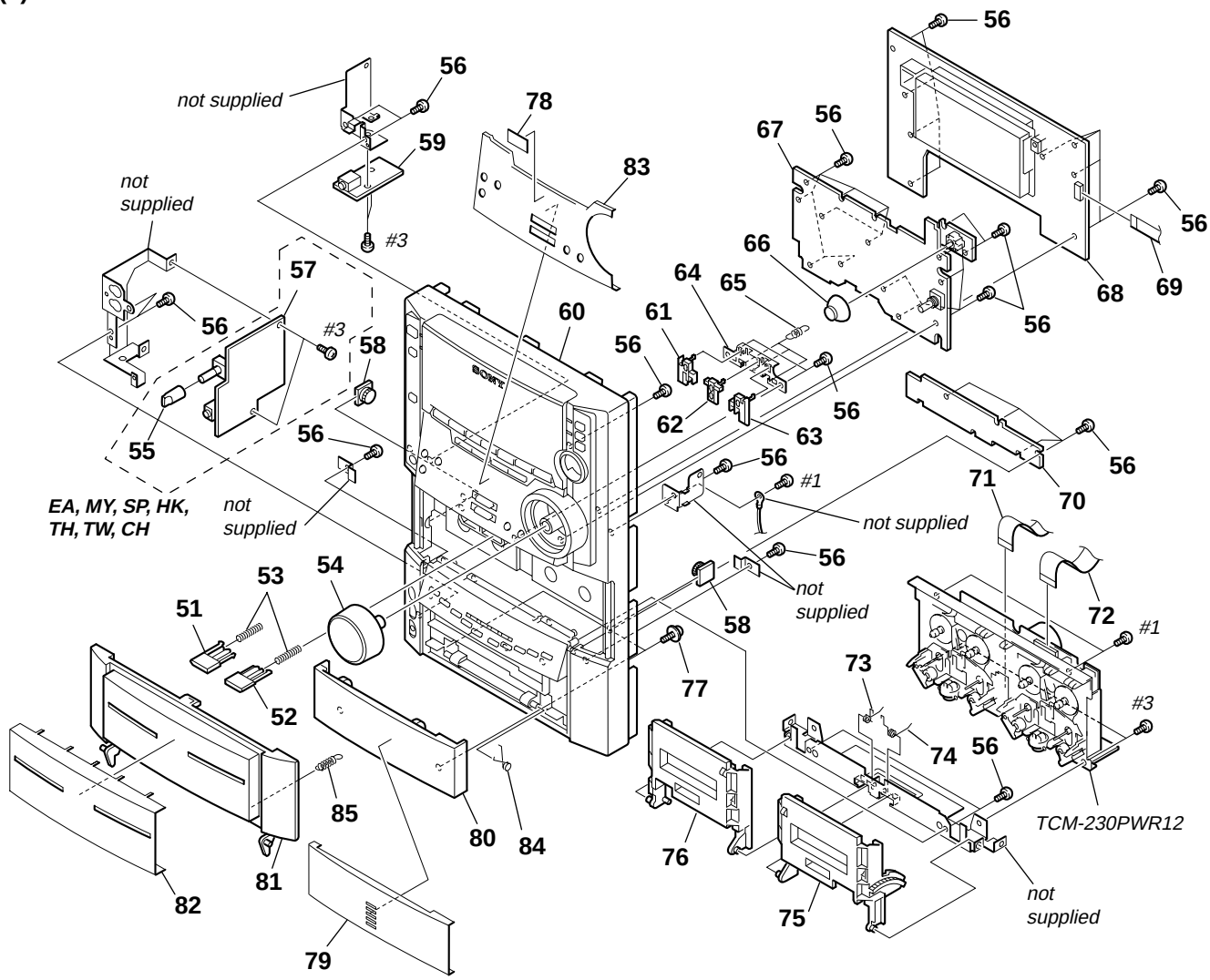
以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

(1) CASE



Ref. No.	Part No.	Description	Remark
1	3-363-099-21	SCREW (CASE 3 TP2)	
2	4-226-746-01	CASE	
3	1-773-009-11	WIRE (FLAT TYPE) (15 CORE) (AEP, UK, CH)	
3	1-769-977-11	WIRE (FLAT TYPE) (13 CORE) (US, CND, E, EA, MX, HK, MY, SP, AR, TH, TW, AUS)	
4	1-693-481-11	TUNER (FM/AM) (US, CND)	
4	1-693-482-11	TUNER (FM/AM) (EA, MY, SP, HK, TH, TW, AUS, MX, AR)	
4	1-693-484-11	TUNER (FM/AM) (E)	
4	1-693-490-11	TUNER (FM/AM) (AEP, UK, CH)	
5	4-227-558-01	PANEL, BACK (US)	
5	4-227-558-11	PANEL, BACK (CND)	
5	4-227-558-21	PANEL, BACK (AEP, UK)	
5	4-227-559-01	PANEL, BACK (EA)	
5	4-227-559-11	PANEL, BACK (MY, SP)	
5	4-227-559-21	PANEL, BACK (E)	
5	4-227-559-31	PANEL, BACK (MX)	
5	4-227-559-41	PANEL, BACK (HK)	
5	4-227-559-51	PANEL, BACK (AUS)	
5	4-227-559-61	PANEL, BACK (TH)	
5	4-227-559-71	PANEL, BACK (AR)	
5	4-227-559-81	PANEL, BACK (CH)	
5	4-227-559-91	PANEL, BACK (TW)	
6	A-4428-997-A	MAIN BOARD, COMPLETE (US, CND)	
6	A-4473-019-A	MAIN BOARD, COMPLETE (AEP, UK)	
6	A-4473-029-A	MAIN BOARD, COMPLETE (MY, SP, HK, TW)	
6	A-4473-670-A	MAIN BOARD, COMPLETE (E, MX, AR)	
6	A-4473-674-A	MAIN BOARD, COMPLETE (EA)	
6	A-4473-690-A	MAIN BOARD, COMPLETE (TH)	
6	A-4473-857-A	MAIN BOARD, COMPLETE (CH)	
6	A-4475-123-A	MAIN BOARD, COMPLETE (AUS)	
7	4-227-815-01	BRACKET (SW)	
8	1-418-687-11	POWER BLOCK (US, CND)	
8	1-476-027-11	POWER BLOCK (EA, MY, SP, HK, TH, TW, AUS, CH)	
8	1-476-028-11	POWER BLOCK (AEP, UK)	
8	1-476-029-11	POWER BLOCK (E, MX, AR)	
9	1-676-976-11	SUB TRANS BOARD (US, CND, AEP, UK)	
FAN101	1-763-072-11	FAN, D.C.	

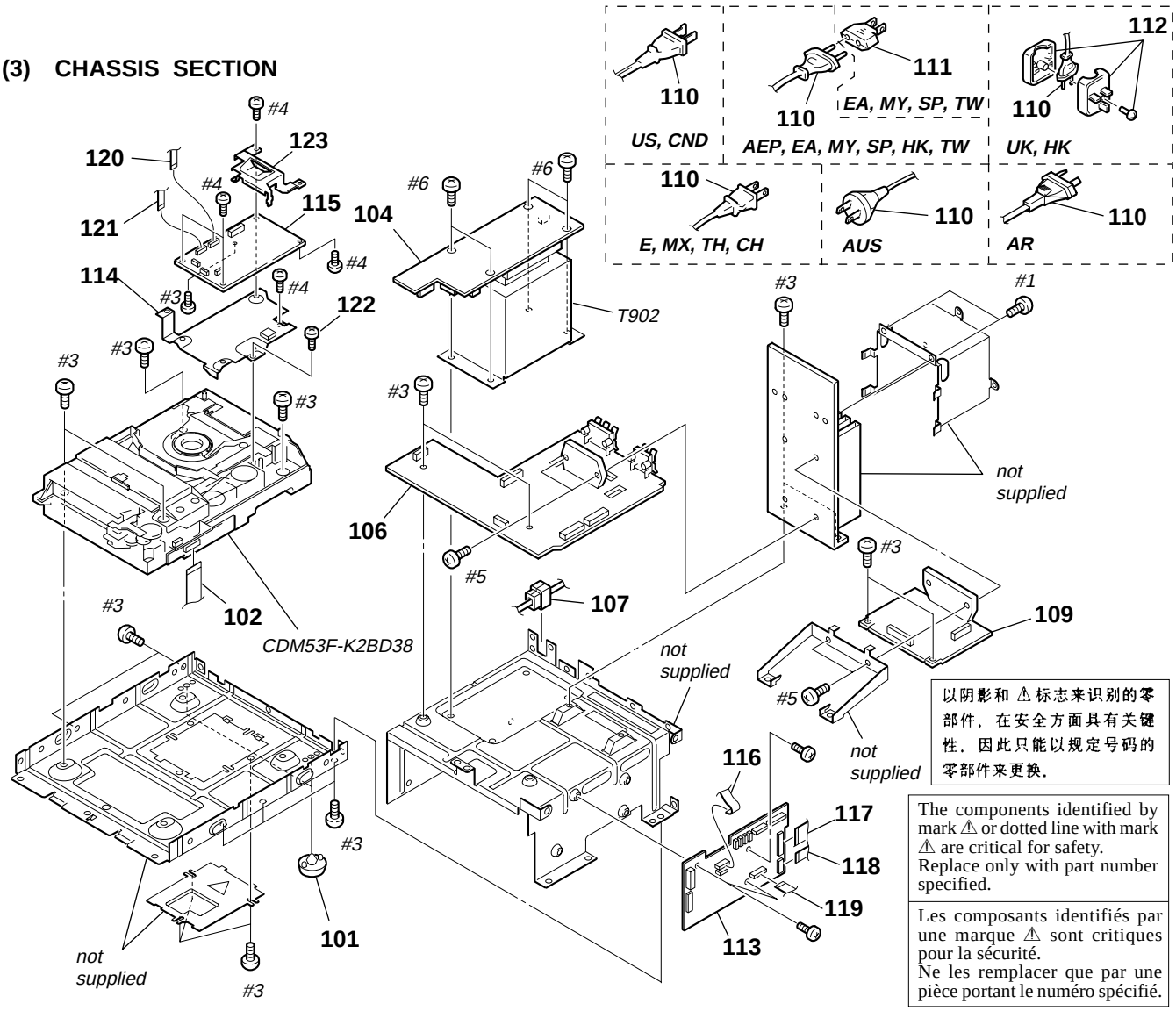
(2) FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
51	4-226-734-01	BUTTON (A), EJECT	
52	4-226-735-01	BUTTON (B), EJECT	
53	4-226-537-01	SPRING (TC EJECT), COIL	
54	4-226-715-01	KNOB, VOLUEME	
55	4-214-385-91	KNOB (MIC) (EA, MY, SP, HK, TH, TW, CH)	
56	4-951-620-01	SCREW (2.6X8), +BVTP	
57	1-676-972-11	MIC BOARD (EA, MY, SP, HK, TH, TW, CH)	
58	4-224-104-11	DAMPER	
59	1-676-971-11	HP BOARD	
60	X-4952-797-1	PANEL ASSY, FRONT (US)	
60	X-4952-798-1	PANEL ASSY, FRONT (AEP, UK)	
60	X-4952-799-1	PANEL ASSY, FRONT (EA, MY, SP, HK, TH, TW, CH)	
60	X-4952-812-1	PANEL ASSY, FRONT (CND, E, MX, AR, AUS)	
61	4-226-733-01	LOCK (B)	
62	4-226-731-01	LOCK (LID)	
63	4-226-732-01	LOCK (A)	
64	4-226-755-01	COVER, LOCK	
65	4-227-544-01	SPRING, TENSION	
66	4-226-713-01	CURSOR	
67	A-4473-013-A	SUB PANEL BOARD, COMPLETE (EXCEPT TH, CH)	
67	A-4473-680-A	SUB PANEL BOARD, COMPLETE (TH)	
67	A-4473-848-A	SUB PANEL BOARD, COMPLETE (CH)	

Ref. No.	Part No.	Description	Remark
68	A-4473-011-A	PANEL BOARD, COMPLETE (US, CND, AEP, UK, E, MX, AR, AUS)	
68	A-4473-023-A	PANEL BOARD, COMPLETE (EA, MY, SP, HK, TW)	
68	A-4473-683-A	PANEL BOARD, COMPLETE (TH)	
68	A-4473-851-A	PANEL BOARD, COMPLETE (CH)	
69	1-769-938-11	WIRE (FLAT TYPE) (11 CORE)	
70	A-4428-661-A	CD SW BOARD, COMPLETE (EXCEPT TH, CH)	
70	A-4473-825-A	CD SW BOARD, COMPLETE (CH)	
70	A-4473-243-A	CD SW BOARD, COMPLETE (TH)	
71	1-773-022-11	WIRE (FLAT TYPE) (15 CORE) (300mm)	
72	1-773-045-11	WIRE (FLAT TYPE) (17 CORE) (170mm)	
73	4-227-458-01	SPRING (TC A)	
74	4-227-459-01	SPRING (TC B)	
75	X-4952-712-1	HOLDER (B) ASSY, TC	
76	X-4952-711-1	HOLDER (A) ASSY, TC	
77	4-957-577-01	SCREW PTP WH (2.6X8) (DIA. 10)	
78	3-056-508-01	EMBLEM, DVD	
79	4-226-741-11	PANEL (CD), ALUMINUM	
80	4-226-737-01	LID (CD)	
81	4-226-729-01	LID, TC	
82	4-226-728-01	PANEL (TC), ALUMINUM	
83	4-226-712-41	PANEL (STR), ALUMINUM	
84	4-226-897-01	SPRING (CD)	
85	4-227-460-01	SPRING, TENSION	

(3) CHASSIS SECTION



以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

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Replace only with part number specified.

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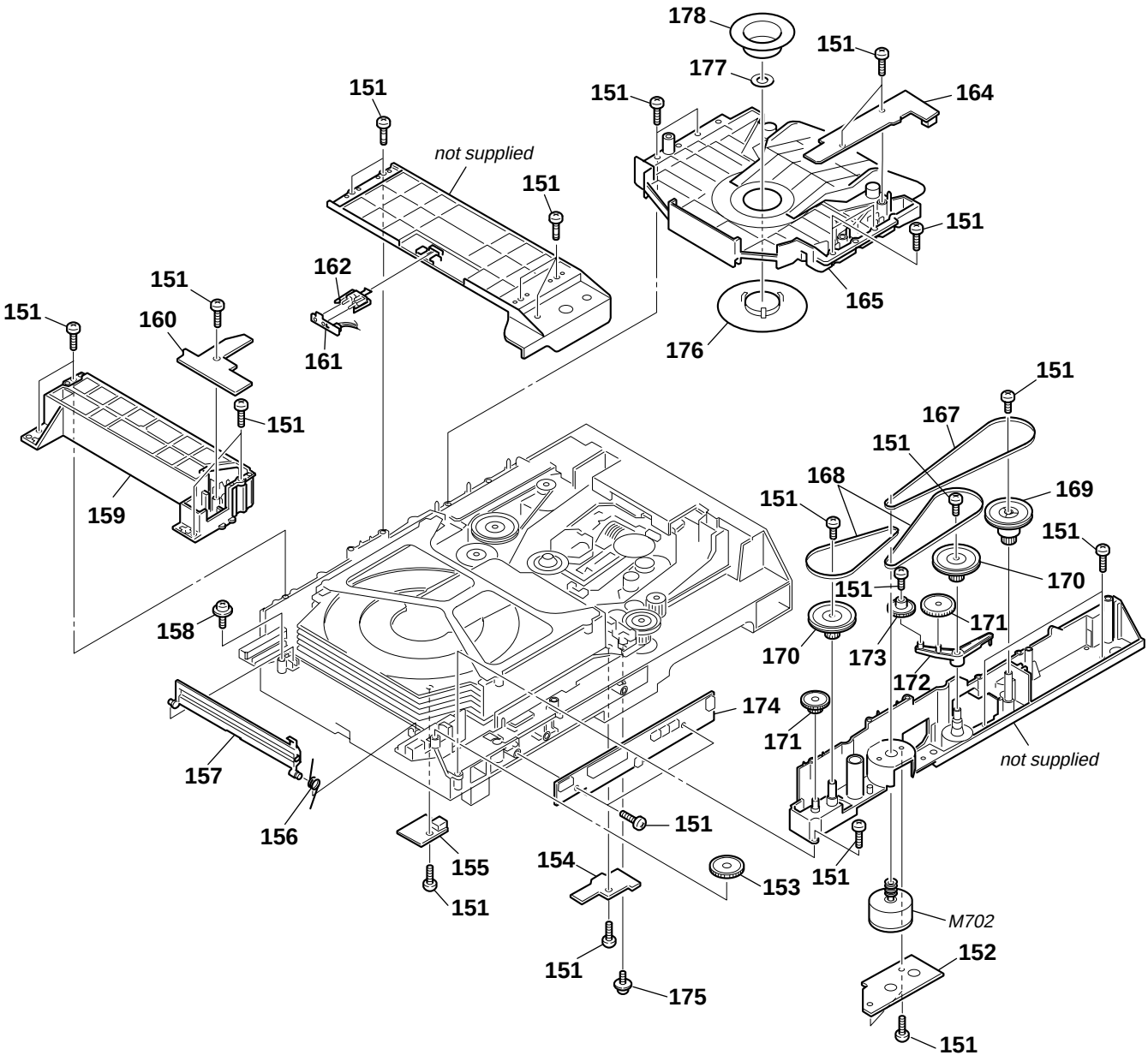
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
101	4-965-822-01	FOOT	
102	1-792-798-11	WIRE (FLAT TYPE) (17 CORE) (120mm)	
104	1-676-975-11	TRANS BOARD	
106	A-4428-992-A	FRONT AMP BOARD, COMPLETE (US)	
106	A-4473-016-A	FRONT AMP BOARD, COMPLETE (AEP, UK)	
106	A-4473-026-A	FRONT AMP BOARD, COMPLETE (EA, MY, SP, HK, TW, AUS)	
106	A-4473-668-A	FRONT AMP BOARD, COMPLETE (E, MX, AR)	
106	A-4473-687-A	FRONT AMP BOARD, COMPLETE (TH)	
106	A-4473-695-A	FRONT AMP BOARD, COMPLETE (CND)	
106	A-4473-854-A	FRONT AMP BOARD, COMPLETE (CH)	
* 107	3-703-244-00	BUSHING (2104), CORD (US, CND, AEP, UK, EA, MY, SP, HK, TW, AR, AUS, CH)	
107	3-703-571-11	BUSHING (S) (4516), CORD (E, TH, MX)	
109	A-4428-632-A	SURR AMP BOARD, COMPLETE (AEP, UK)	
109	A-4428-643-A	SURR AMP BOARD, COMPLETE (E, EA, MY, SP, HK, TW, MX, AR, AUS)	
109	A-4428-994-A	SURR AMP BOARD, COMPLETE (US, CND)	
109	A-4473-251-A	SURR AMP BOARD, COMPLETE (TH)	
109	A-4473-831-A	SURR AMP BOARD, COMPLETE (CH)	
⚠110	1-690-608-11	CORD, POWER (AUS)	
⚠110	1-777-070-11	CORD, POWER (CND)	
⚠110	1-777-071-51	CORD, POWER (AEP, UK, EA, MY, SP, HK, TW)	
⚠110	1-782-464-21	CORD, POWER (CH)	
⚠110	1-783-531-11	CORD, POWER (US)	
⚠110	1-783-941-21	CORD, POWER (AR)	
⚠110	1-791-901-11	CORD, POWER (E, TH, MX)	

Ref. No.	Part No.	Description	Remark
⚠111	1-569-008-21	ADAPTOR, CONVERSION 2P (EA, MY, SP, TW)	
⚠112	1-770-019-11	ADAPTOR, CONVERSION PLUG 3P (UK, HK)	
113	A-4473-238-A	IF BOARD, COMPLETE (EXCEPT TH, CH)	
113	A-4473-693-A	IF BOARD, COMPLETE (TH)	
113	A-4473-860-A	IF BOARD, COMPLETE (CH)	
114	4-227-814-01	BRACKET (DVD)	
115	A-4473-710-A	MB BOARD, COMPLETE (US, CND)	
115	A-4473-711-A	MB BOARD, COMPLETE (AEP, UK)	
115	A-4473-712-A	MB BOARD, COMPLETE (E, MX, AR)	
115	A-4473-713-A	MB BOARD, COMPLETE (EA)	
115	A-4473-714-A	MB BOARD, COMPLETE (MY, SP, HK, TW)	
115	A-4473-715-A	MB BOARD, COMPLETE (AUS)	
115	A-4473-709-A	MB BOARD, COMPLETE (TH)	
115	A-4473-861-A	MB BOARD, COMPLETE (CH)	
116	1-792-799-11	WIRE (FLAT TYPE) (10 CORE)	
117	1-792-800-11	WIRE (FLAT TYPE) (23 CORE) (160mm)	
118	1-792-801-11	WIRE (FLAT TYPE) (13 CORE) (190mm)	
119	1-792-802-11	WIRE (FLAT TYPE) (17 CORE) (170mm)	
120	1-792-797-11	WIRE (FLAT TYPE) (18 CORE) (PLATE: BLUE)	
121	1-792-797-21	WIRE (FLAT TYPE) (18 CORE) (PLATE: WHITE)	
122	4-951-620-01	SCREW (2.6X8), +BVTP	
123	4-227-816-01	HEAT SINK (DVD)	
⚠T902	1-435-475-11	TRANSFORMER, POWER (US, CND)	
⚠T902	1-435-391-11	TRANSFORMER, POWER (AEP, UK)	
⚠T902	1-435-392-11	TRANSFORMER, POWER (EXCEPT US, CND, AEP, UK)	

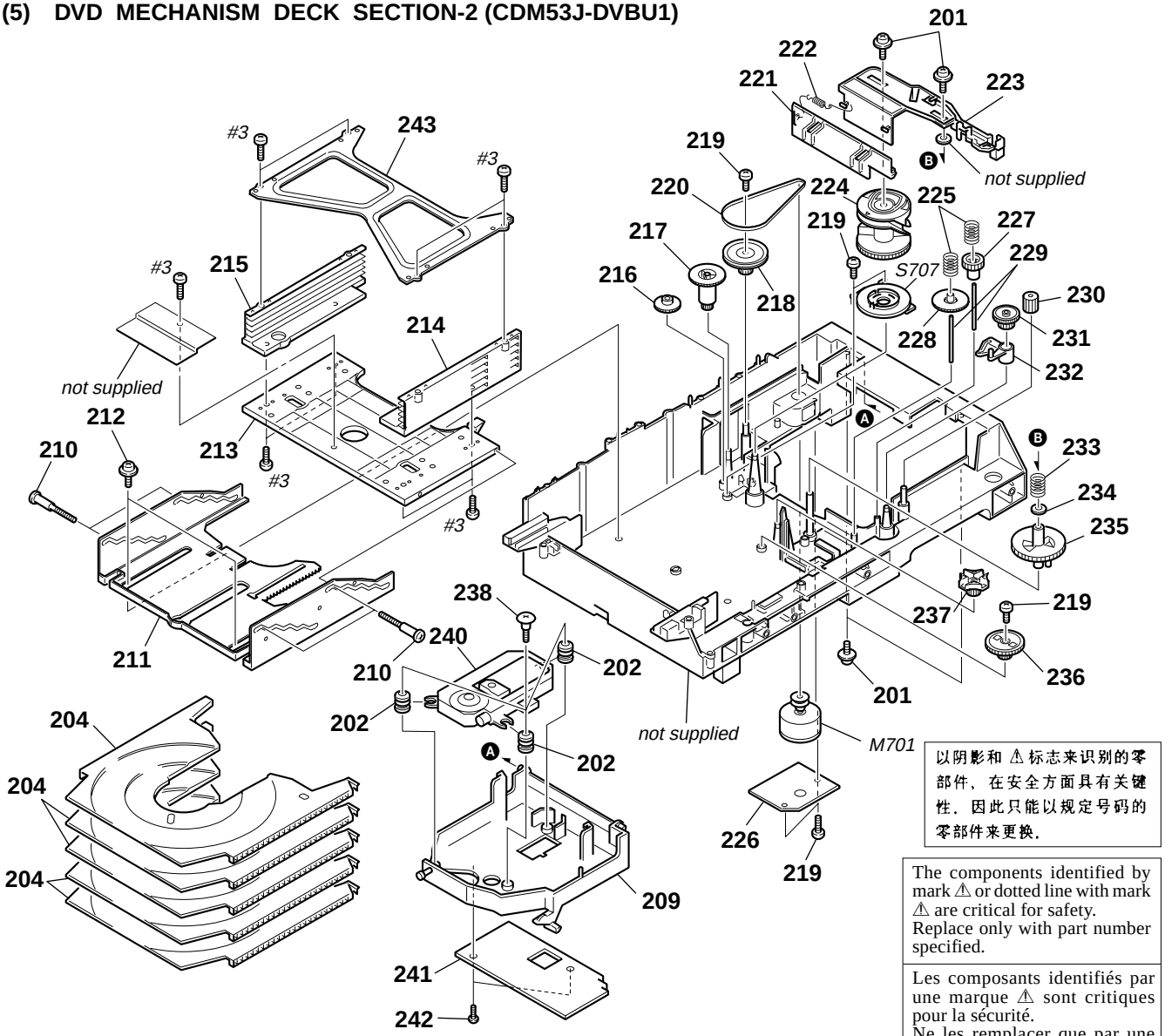
(4) DVD MECHANISM DECK SECTION-1 (CDM53J-DVBU1)



Ref. No.	Part No.	Description	Remark
151	4-218-253-11	SCREW (M2.6), +BTTP	
152	1-675-728-11	LOAD MOTOR BOARD	
153	4-220-261-01	GEAR (EJECT)	
154	1-675-724-11	INIT/COUNT SW BOARD	
155	1-675-726-11	SENSOR BOARD	
156	4-212-676-01	SPRING (LID), TORSION	
157	4-212-674-01	LID (DISC)	
158	4-985-672-01	SCREW (+PTPWH M2.6), FLOATING	
159	A-4672-873-A	BASE (GUIDE) ASSY, FITTING	
160	1-675-725-11	OUT SW BOARD	
161	1-675-727-11	SENSOR 2 BOARD	
162	4-964-461-02	HOLDER (SENSOR)	
164	1-675-723-11	IN SW BOARD	
165	A-4672-872-D	BASE (MAGNET) ASSY, FITTING	

Ref. No.	Part No.	Description	Remark
167	4-211-235-01	BELT (COMMUNICATION)	
168	4-211-236-01	BELT (LOADING)	
169	4-211-231-01	PULLEY (MODE)	
170	4-211-214-01	PULLEY (LD)	
171	4-211-232-01	GEAR (LD DECELERATION)	
172	4-211-228-01	LEVER (GOOSENECK)	
173	4-214-130-01	GEAR (TRAY)	
174	1-675-722-11	CONNECTOR BOARD	
175	3-341-549-01	SCREW(2.6X12) (DIA.7.5), +PTP WH	
176	4-226-821-02	PLATE, CHUCKING	
177	3-053-844-01	YOKE	
178	4-223-293-01	RETAINER, YOKE	
M702	X-4950-342-1	MOTOR (LOADING) ASSY	

(5) DVD MECHANISM DECK SECTION-2 (CDM53J-DVBU1)



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Replace only with part number specified.

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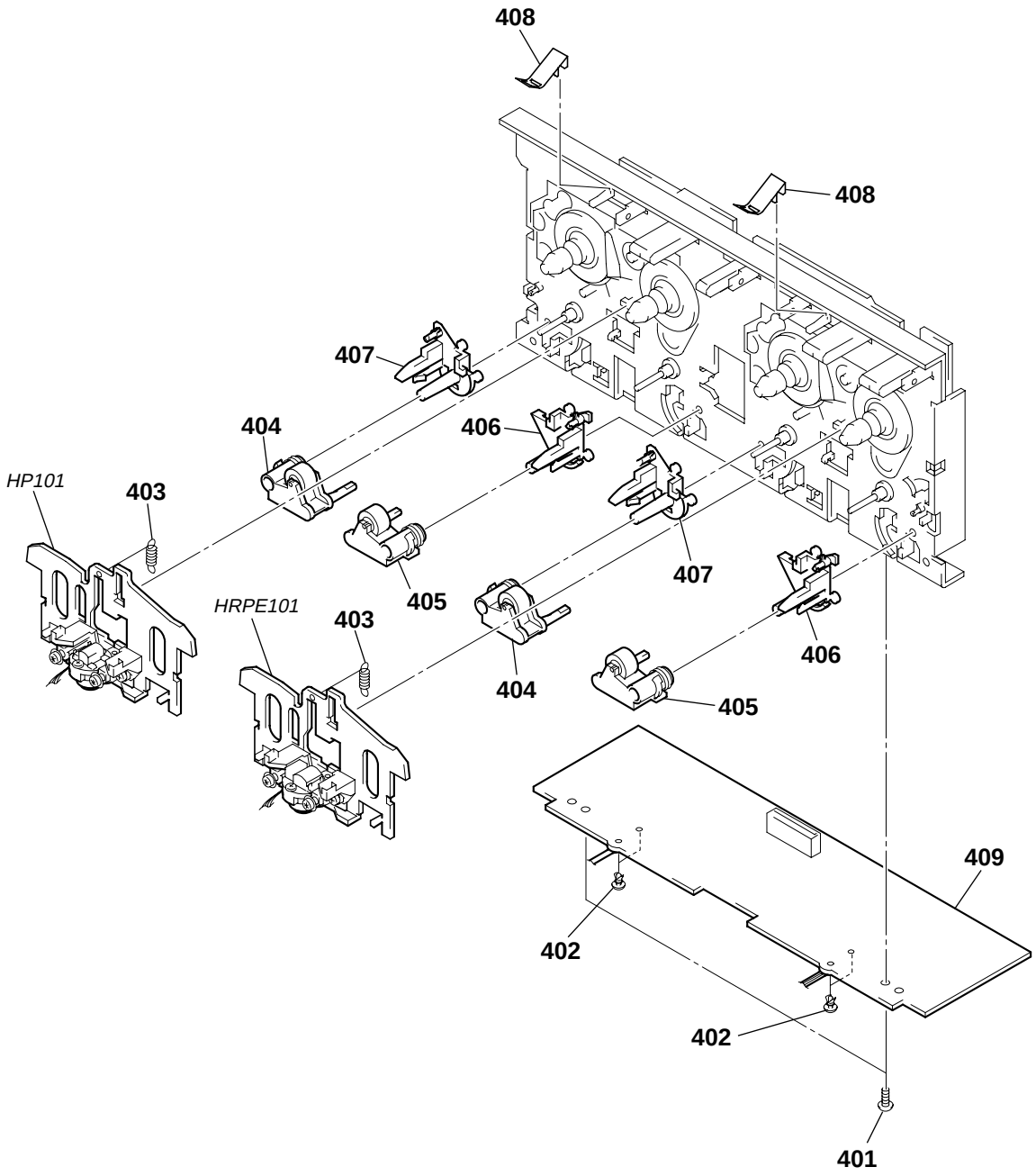
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
201	4-985-672-01	SCREW (+PTPWH M2.6), FLOATING	
202	3-053-847-01	INSULATOR	
204	4-223-291-11	TRAY (DVD)	
209	4-223-292-11	HOLDER (DVD)	
210	4-211-244-01	SCREW, STEP	
211	4-211-223-01	SLIDER (U/D)	
212	4-933-134-01	SCREW (M2.6), +PTPWH	
213	4-221-504-01	BASE (STOCKER), FITTING	
214	4-211-211-01	STOCKER (R)	
215	4-211-210-01	STOCKER (L)	
216	4-211-215-01	GEAR (EJECT)	
217	4-211-232-01	GEAR (MODE DECELERATION)	
218	4-211-214-01	PULLEY (LD)	
219	4-218-253-21	SCREW (M2.6), +BTTP	
220	4-211-237-01	BELT (MODE)	
221	4-212-677-01	SLIDER (SHUTTER)	
222	4-212-678-01	SPRING (SHUTTER), TENSION	
223	4-211-233-01	SLIDER (SELECTION)	
224	4-211-230-01	GEAR (CHUCKING)	
225	4-211-245-01	SPRING, COMPRESSION	

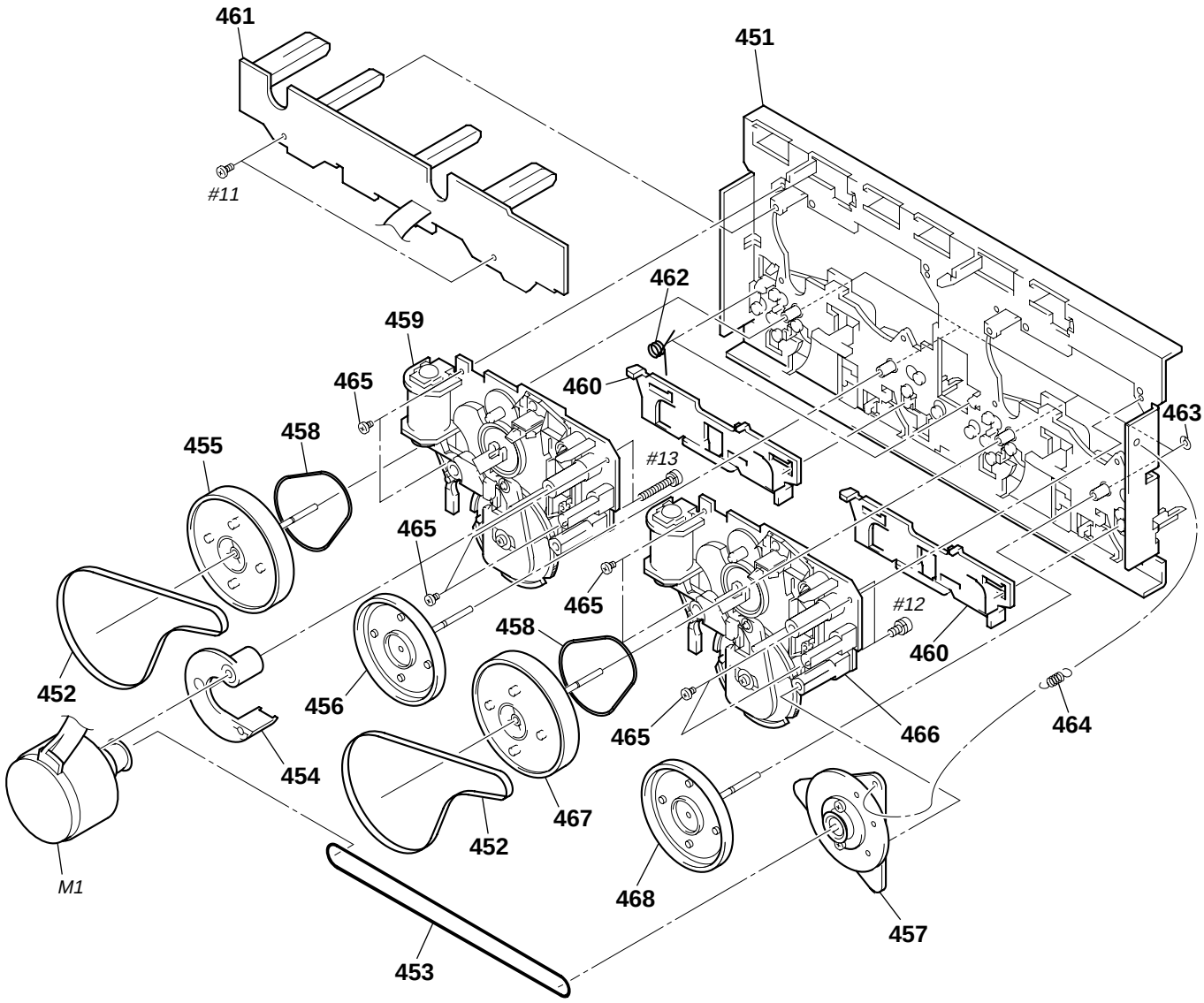
Ref. No.	Part No.	Description	Remark
226	1-675-729-11	CLAMP MOTOR BOARD	
227	4-211-221-01	GEAR (LD MOVABLE)	
228	4-211-217-01	GEAR (SELECTION)	
229	4-211-242-11	SHAFT (SELECTION GEAR)	
230	4-211-240-01	GEAR (LD DECELERATION B)	
231	4-211-216-01	GEAR (RELAY)	
232	4-211-241-01	LEVER (SELECTION)	
233	4-216-879-01	SPRING (GEAR), COMPRESSION	
234	3-701-446-21	WASHER	
235	4-211-218-01	GEAR (GEAR A)	
236	4-211-220-01	GEAR (U/D SLIDER)	
237	4-211-219-01	GEAR (GEAR B)	
238	4-981-923-01	SCREW (M), STEP	
⚠240	8-820-081-09	OPTICAL PICK-UP KHM-220AAA	
241	A-4725-157-A	TK BOARD, COMPLETE	
242	4-951-620-41	SCREW (2.6), +BVTP	
243	4-211-234-01	BRACKET (STOCKER T)	
M701	X-4950-341-1	MOTOR (CLAMP) ASSY (ELEVATOR UP/DOWN)	
S707	1-418-045-01	ENCODER, ROTARY (DISC TRAY ADDRESS DETECT)	

(6) TAPE MECHANISM DECK SECTION-1 (TCM-230AWR12)



Ref. No.	Part No.	Description	Remark
401	3-376-464-11	SCREW(+PTT 2.6X6),GROUND POINT	
402	3-911-116-42	RIVET, PUSH	
403	3-016-574-01	SPRING (HEAD), TENSION	
404	X-3374-156-4	PINCH LEVER (REV) ASSY	
405	X-3374-155-4	PINCH LEVER (FWD) ASSY	
406	3-017-365-01	BASE (PINCH LEVER FWD)	
407	3-017-366-01	BASE (PINCH LEVER REV)	
408	3-016-567-02	SPRING (CASSETTE), LEAF	
409	A-2007-845-A	AUDIO BOARD, COMPLETE	
HP101	A-2004-778-A	BASE (A) ASSY, HEAD	
HRPE101	A-2004-779-A	BASE (B) ASSY, HEAD	

(7) TAPE MECHANISM DECK SECTION-2 (TCM-230AWR12)



Ref. No.	Part No.	Description	Remark
451	X-4952-881-1	CHASSIS ASSY, MAIN	
452	3-041-946-01	BELT (CAPSTAN B)	
453	4-227-239-01	BELT (CAPSTAN C)	
454	3-016-568-01	BRACKET (MOTOR)	
455	X-3378-040-1	FLYWHEEL (A-FWD) ASSY	
456	X-3378-041-1	FLYWHEEL (A-REV) ASSY	
457	X-3374-157-1	PULLEY ASSY, TENSION	
458	3-041-947-01	BELT (FR)	
459	A-2004-752-A	BLOCK (A) ASSY, MECHANICAL	
460	3-016-566-01	SLIDER, REVERSE	

Ref. No.	Part No.	Description	Remark
461	A-2007-838-A	LEAF SW BOARD, COMPLETE	
462	4-228-450-01	SPRING (REVERSE SLIDER),TORSION	
463	3-019-208-01	WASHER, STOPPER	
464	3-027-453-01	SPRING (GROUND), TENSION	
465	3-030-823-01	SCREW (+BVTT) (2X3.5)	
466	A-2004-753-A	BLOCK (B) ASSY, MECHANICAL	
467	X-3378-042-1	FLYWHEEL (B-FWD) ASSY	
468	X-3378-043-1	FLYWHEEL (B-REV) ASSY	
M1	X-3378-241-1	MOTOR ASSY (CAPSTAN/REEL)	

SECTION 8
ELECTRICAL PARTS LIST

AUDIO

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- Abbreviation

AR	: Argentine model	MX	: Mexican model
AUS	: Australian model	MY	: Malaysia model
CH	: Chinese model	SP	: Singapore model
CND	: Canadian model	TH	: Thai model
EA	: Saudi Arabia model	TW	: Taiwan model
HK	: Hong Kong model		

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. . uPA. . : µPA. .
  uPB. . : µPB. . uPC. . : µPC. .
  uPD. . : µPD. .
- CAPACITORS
  uF: µF
- COILS
  uH: µH

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiquens pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性．因此只能以规定号码的零部件来更换．

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description			Remark
	A-2007-845-A	AUDIO BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C301	1-162-289-31	CERAMIC	390PF	10%	50V
C302	1-126-968-11	ELECT	100uF	20%	6.3V
C303	1-162-282-31	CERAMIC	100PF	10%	50V
C304	1-130-483-00	MYLAR	0.01uF	5%	50V
C305	1-107-715-11	ELECT	22uF	20%	16V
C311	1-162-289-31	CERAMIC	390PF	10%	50V
C313	1-162-282-31	CERAMIC	100PF	10%	50V
C314	1-130-487-00	MYLAR	0.022uF	5%	50V
C315	1-126-233-11	ELECT	22uF	20%	50V
C331	1-137-427-11	MYLAR	120PF	5%	50V
C332	1-162-288-31	CERAMIC	330PF	10%	50V
C333	1-162-209-31	CERAMIC	27PF	5%	50V
C401	1-162-289-31	CERAMIC	390PF	10%	50V
C402	1-126-968-11	ELECT	100uF	20%	6.3V
C403	1-162-282-31	CERAMIC	100PF	10%	50V
C404	1-130-483-00	MYLAR	0.01uF	5%	50V
C405	1-107-715-11	ELECT	22uF	20%	16V
C411	1-162-289-31	CERAMIC	390PF	10%	50V
C413	1-162-282-31	CERAMIC	100PF	10%	50V
C414	1-130-487-00	MYLAR	0.022uF	5%	50V
C415	1-126-233-11	ELECT	22uF	20%	50V
C431	1-137-427-11	MYLAR	120PF	5%	50V
C432	1-162-288-31	CERAMIC	330PF	10%	50V
C433	1-162-209-31	CERAMIC	27PF	5%	50V
C601	1-104-396-11	ELECT	10uF	20%	16V
C602	1-104-396-11	ELECT	10uF	20%	16V
C611	1-104-396-11	ELECT	10uF	20%	16V
C612	1-104-396-11	ELECT	10uF	20%	16V
C621	1-137-150-11	FILM	0.01uF	5%	100V
C622	1-126-961-11	ELECT	2.2uF	20%	50V
C623	1-136-155-00	FILM	0.015uF	5%	50V
C624	1-130-481-00	MYLAR	0.0068uF	5%	50V
C625	1-130-481-00	MYLAR	0.0068uF	5%	50V
C627	1-124-903-11	ELECT	1uF	20%	50V
C628	1-136-153-00	FILM	0.01uF	5%	50V
C642	1-104-664-11	ELECT	47uF	20%	16V
		< CONNECTOR >			
CN601	1-568-834-21	SOCKET, CONNECTOR 15P			
		< IC >			
IC601	8-759-111-44	IC uPC4570C-1			
IC602	8-759-143-54	IC uPC1330HA			
IC611	8-759-111-44	IC uPC4570C-1			
		< COIL >			
L331	1-410-780-11	INDUCTOR	27mH		
L431	1-410-780-11	INDUCTOR	27mH		
		< TRANSISTOR >			
Q621	8-729-142-46	TRANSISTOR	2SC2001TP-LK		
Q622	8-729-142-46	TRANSISTOR	2SC2001TP-LK		
Q623	8-729-801-93	TRANSISTOR	2SD1387-34-TP		
		< RESISTOR >			
R301	1-247-881-00	CARBON	120K	5%	1/4W
R302	1-249-409-11	CARBON	220	5%	1/4W
R303	1-249-433-11	CARBON	22K	5%	1/4W
R304	1-247-889-00	CARBON	270K	5%	1/4W
R305	1-247-858-11	CARBON	13K	5%	1/4W
R311	1-247-881-00	CARBON	120K	5%	1/4W
R312	1-247-807-31	CARBON	100	5%	1/4W
R314	1-247-882-11	CARBON	130K	5%	1/4W
R315	1-247-850-11	CARBON	6.2K	5%	1/4W
R331	1-249-430-11	CARBON	12K	5%	1/4W
R401	1-247-881-00	CARBON	120K	5%	1/4W
R402	1-249-409-11	CARBON	220	5%	1/4W
R403	1-249-433-11	CARBON	22K	5%	1/4W
R404	1-247-889-00	CARBON	270K	5%	1/4W
R405	1-247-858-11	CARBON	13K	5%	1/4W
R411	1-247-881-00	CARBON	120K	5%	1/4W
R412	1-247-807-31	CARBON	100	5%	1/4W
R414	1-247-882-11	CARBON	130K	5%	1/4W
R415	1-247-850-11	CARBON	6.2K	5%	1/4W

Ref. No.	Part No.	Description			Remark
R431	1-249-430-11	CARBON	12K	5%	1/4W
R601	1-249-409-11	CARBON	220	5%	1/4W
R602	1-249-409-11	CARBON	220	5%	1/4W
R608	1-249-409-11	CARBON	220	5%	1/4W
R609	1-249-433-11	CARBON	22K	5%	1/4W
R611	1-249-409-11	CARBON	220	5%	1/4W
R612	1-249-409-11	CARBON	220	5%	1/4W
⚠R621	1-212-851-00	FUSIBLE	5.6	5%	1/4W F
⚠R622	1-212-851-00	FUSIBLE	5.6	5%	1/4W F
R623	1-249-432-11	CARBON	18K	5%	1/4W
R624	1-249-432-11	CARBON	18K	5%	1/4W
R625	1-249-429-11	CARBON	10K	5%	1/4W
		< VARIABLE RESISTOR >			
RV301	1-238-598-11	RES, ADJ, CARBON 2.2K			
RV311	1-238-598-11	RES, ADJ, CARBON 2.2K			
RV341	1-241-768-11	RES, ADJ, CARBON 220K			
RV401	1-238-598-11	RES, ADJ, CARBON 2.2K			
RV411	1-238-598-11	RES, ADJ, CARBON 2.2K			
RV441	1-241-768-11	RES, ADJ, CARBON 220K			
		< TRANSFORMER >			
T621	1-423-980-11	TRANSFORMER, BIAS OSCILLATION			
**********					
	A-4428-661-A	CD SW BOARD, COMPLETE (EXCEPT TH, CH)			
	A-4473-243-A	CD SW BOARD, COMPLETE (TH)			
	A-4473-825-A	CD SW BOARD, COMPLETE (CH)			
		**********			
		< LED >			
D661	8-719-058-64	LED SEL5823A-TP15 (1)			
D662	8-719-058-64	LED SEL5823A-TP15 (2)			
D663	8-719-058-64	LED SEL5823A-TP15 (3)			
D664	8-719-058-64	LED SEL5823A-TP15 (4)			
D665	8-719-058-64	LED SEL5823A-TP15 (5)			
		< RESISTOR >			
R628	1-249-420-11	CARBON	1.8K	5%	1/4W
R629	1-249-422-11	CARBON	2.7K	5%	1/4W
R630	1-247-843-11	CARBON	3.3K	5%	1/4W
R631	1-249-425-11	CARBON	4.7K	5%	1/4W
R632	1-249-427-11	CARBON	6.8K	5%	1/4W
R633	1-249-429-11	CARBON	10K	5%	1/4W
R634	1-249-431-11	CARBON	15K	5%	1/4W
R635	1-249-434-11	CARBON	27K	5%	1/4W
R636	1-249-438-11	CARBON	56K	5%	1/4W
R661	1-249-409-11	CARBON	220	5%	1/4W
R662	1-249-409-11	CARBON	220	5%	1/4W
R663	1-249-409-11	CARBON	220	5%	1/4W
R664	1-249-409-11	CARBON	220	5%	1/4W
R665	1-249-409-11	CARBON	220	5%	1/4W
		< SWITCH >			
S627	1-762-875-21	SWITCH, KEYBOARD (⏏5)			
S628	1-762-875-21	SWITCH, KEYBOARD (⏏4)			
S629	1-762-875-21	SWITCH, KEYBOARD (⏏3)			
S630	1-762-875-21	SWITCH, KEYBOARD (⏏2)			

Ref. No.	Part No.	Description			Remark
S631	1-762-875-21	SWITCH, KEYBOARD (⏏1)			
S632	1-762-875-21	SWITCH, KEYBOARD (DISC 1)			
S633	1-762-875-21	SWITCH, KEYBOARD (DISC 2)			
S634	1-762-875-21	SWITCH, KEYBOARD (DISC 3)			
S635	1-762-875-21	SWITCH, KEYBOARD (DISC 4)			
S636	1-762-875-21	SWITCH, KEYBOARD (DISC 5)			
**********					
	1-675-729-11	CLAMP MOTOR BOARD			
		**********			
		< CAPACITOR >			
C701	1-162-306-11	CERAMIC	0.01uF	30%	16V
C702	1-126-964-11	ELECT	10uF	20%	50V
C706	1-162-306-11	CERAMIC	0.01uF	30%	16V
C711	1-162-306-11	CERAMIC	0.01uF	30%	16V
C712	1-162-306-11	CERAMIC	0.01uF	30%	16V
		< CONNECTOR >			
* CN712	1-568-954-11	PIN, CONNECTOR 5P			
		< DIODE >			
D701	8-719-983-66	DIODE MTZJ-T-72-3.6B			
		< IC >			
IC701	8-759-633-65	IC M54641L			
		< RESISTOR >			
R701	1-249-411-11	CARBON	330	5%	1/4W
R702	1-249-401-11	CARBON	47	5%	1/4W
**********					
	1-675-722-11	CONNECTOR BOARD			
		**********			
		< CONNECTOR >			
CN701	1-770-169-11	CONNECTOR, FFC/FPC 17P			
		< TRANSISTOR >			
Q701	8-729-029-66	TRANSISTOR RT1N141S-TP			
		< RESISTOR >			
R707	1-249-424-11	CARBON	3.9K	5%	1/4W
R708	1-249-417-11	CARBON	1K	5%	1/4W
R709	1-249-429-11	CARBON	10K	5%	1/4W
**********					

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

Ref. No.	Part No.	Description			Remark
	A-4428-992-A	FRONT AMP BOARD, COMPLETE (US)			
	A-4473-016-A	FRONT AMP BOARD, COMPLETE (AEP, UK)			
	A-4473-026-A	FRONT AMP BOARD, COMPLETE (EA, MY, SP, HK, TW, AUS)			
	A-4473-668-A	FRONT AMP BOARD, COMPLETE (E, MX, AR)			
	A-4473-687-A	FRONT AMP BOARD, COMPLETE (TH)			
	A-4473-695-A	FRONT AMP BOARD, COMPLETE (CND)			
	A-4473-854-A	FRONT AMP BOARD, COMPLETE (CH)			
		**********			
		< CAPACITOR >			
C801	1-126-963-11	ELECT	4.7uF	20%	50V (EXCEPT US, CND)
C801	1-128-581-11	ELECT	4.7uF	20%	100V (US, CND)
C802	1-162-286-31	CERAMIC	220PF	10%	50V
C803	1-162-282-31	CERAMIC	100PF	10%	50V
C804	1-104-664-11	ELECT	47uF	20%	10V
C806	1-136-495-11	MYLAR	0.068uF	5%	50V
C807	1-136-495-11	MYLAR	0.068uF	5%	50V
C808	1-136-165-00	MYLAR	0.1uF	5%	50V (AEP, UK, CH)
C809	1-136-165-00	MYLAR	0.1uF	5%	50V (AEP, UK, CH)
C811	1-162-306-11	CERAMIC	0.01uF	30%	16V
C812	1-162-306-11	CERAMIC	0.01uF	30%	16V
C821	1-107-721-11	ELECT	4.7uF	20%	100V
C822	1-107-717-11	ELECT	47uF	20%	50V
C831	1-136-165-00	MYLAR	0.1uF	5%	50V (AEP, UK, CH)
C832	1-136-165-00	MYLAR	0.1uF	5%	50V (AEP, UK, CH)
C833	1-136-165-00	MYLAR	0.1uF	5%	50V (AEP, UK, CH)
C834	1-136-165-00	MYLAR	0.1uF	5%	50V (AEP, UK, CH)
C835	1-136-165-00	MYLAR	0.1uF	5%	50V (AEP, UK, CH)
C836	1-136-165-00	MYLAR	0.1uF	5%	50V (AEP, UK, CH)
C837	1-126-963-11	ELECT	4.7uF	20%	50V
C851	1-126-963-11	ELECT	4.7uF	20%	50V (EXCEPT US, CND)
C851	1-128-581-11	ELECT	4.7uF	20%	100V (US, CND)
C852	1-162-286-31	CERAMIC	220PF	10%	50V
C853	1-162-282-31	CERAMIC	100PF	10%	50V
C854	1-104-664-11	ELECT	47uF	20%	10V
C856	1-136-495-11	MYLAR	0.068uF	5%	50V
C857	1-136-495-11	MYLAR	0.068uF	5%	50V
C858	1-136-165-00	MYLAR	0.1uF	5%	50V (AEP, UK, CH)
C859	1-136-165-00	MYLAR	0.1uF	5%	50V (AEP, UK, CH)
C861	1-162-306-11	CERAMIC	0.01uF	30%	16V
C862	1-162-306-11	CERAMIC	0.01uF	30%	16V
C863	1-162-306-11	CERAMIC	0.01uF	30%	16V
C864	1-162-306-11	CERAMIC	0.01uF	30%	16V
C865	1-162-306-11	CERAMIC	0.01uF	30%	16V
C871	1-107-721-11	ELECT	4.7uF	20%	100V
C872	1-126-959-11	ELECT	0.47uF	20%	50V
C891	1-104-665-11	ELECT	100uF	20%	10V
C892	1-126-961-11	ELECT	2.2uF	20%	50V
C893	1-104-665-11	ELECT	100uF	20%	10V
C911	1-130-777-00	MYLAR	0.1uF	10%	100V
C912	1-130-777-00	MYLAR	0.1uF	10%	100V
C951	1-127-753-11	ELECT	3300uF	20%	71V (EXCEPT US, CND, AEP, UK)
C951	1-135-516-11	ELECT	3300uF	20%	63V (US, CND, AEP, UK)
C952	1-127-753-11	ELECT	3300uF	20%	71V (EXCEPT US, CND, AEP, UK)
C952	1-135-516-11	ELECT	3300uF	20%	63V (US, CND, AEP, UK)
C953	1-135-515-11	ELECT	3300uF	20%	50V
C954	1-135-515-11	ELECT	3300uF	20%	50V
C955	1-136-165-00	MYLAR	0.1uF	5%	50V
C956	1-136-165-00	MYLAR	0.1uF	5%	50V
C961	1-128-560-11	ELECT	22uF	20%	100V
C962	1-128-560-11	ELECT	22uF	20%	100V
C963	1-126-968-11	ELECT	100uF	20%	50V
C964	1-126-967-11	ELECT	47uF	20%	50V
C981	1-128-564-11	ELECT	220uF	20%	100V
C982	1-126-964-11	ELECT	10uF	20%	50V
C983	1-126-967-11	ELECT	47uF	20%	50V
C984	1-164-159-11	CERAMIC	0.1uF		50V
C991	1-136-165-00	MYLAR	0.1uF	5%	50V
C992	1-136-165-00	MYLAR	0.1uF	5%	50V
C993	1-136-165-00	MYLAR	0.1uF	5%	50V
C994	1-136-165-00	MYLAR	0.1uF	5%	50V
		< CONNECTOR >			
CN801	1-691-768-11	PLUG (MICRO CONNECTOR) 6P			
CN803	1-778-982-21	CONNECTOR, BOARD TO BOARD 13P			
CN804	1-778-982-21	CONNECTOR, BOARD TO BOARD 13P			
		< DIODE >			
D801	8-719-911-19	DIODE 1SS133T-72			
D802	8-719-911-19	DIODE 1SS133T-72			
D821	8-719-911-19	DIODE 1SS133T-72			
D831	8-719-911-19	DIODE 1SS133T-72			
D851	8-719-911-19	DIODE 1SS133T-72			
D871	8-719-911-19	DIODE 1SS133T-72			
D881	8-719-911-19	DIODE 1SS133T-72			
D911	8-719-302-37	DIODE RBV-602			
D951	8-719-302-37	DIODE RBV-602			
D961	8-719-947-58	DIODE MTZJ-T-72-13C			
D962	8-719-947-58	DIODE MTZJ-T-72-13C			
D963	8-719-911-19	DIODE 1SS133T-72			
D981	8-719-024-99	DIODE 11ES2-NTA2B			
D982	8-719-079-21	DIODE MTZJ-T-72-20D			
D983	8-719-079-21	DIODE MTZJ-T-72-20D			
D984	8-719-160-56	DIODE RD12F-T7B2			
D991	8-719-024-99	DIODE 11ES2-NTA2B			
D992	8-719-024-99	DIODE 11ES2-NTA2B			
D993	8-719-024-99	DIODE 11ES2-NTA2B			
D994	8-719-024-99	DIODE 11ES2-NTA2B			
D995	8-719-024-99	DIODE 11ES2-NTA2B			

FRONT AMP

Ref. No.	Part No.	Description	Remark
D996	8-719-024-99	DIODE 11ES2-NTA2B	
D997	8-719-024-99	DIODE 11ES2-NTA2B	
D998	8-719-024-99	DIODE 11ES2-NTA2B	
		< EARTH TERMINAL >	
* EPT951	1-537-738-21	TERMINAL, EARTH	
		< IC >	
IC801	8-749-017-03	IC STK412-020 (EXCEPT US, CND, AEP, UK)	
IC801	8-749-017-01	IC STK412-000 (US, CND, AEP, UK)	
		< COIL >	
L811	1-420-872-00	COIL, AIR-CORE (AEP, UK, CH)	
L831	1-420-872-00	COIL, AIR-CORE (AEP, UK, CH)	
L832	1-420-872-00	COIL, AIR-CORE (AEP, UK, CH)	
L833	1-420-872-00	COIL, AIR-CORE (AEP, UK, CH)	
L861	1-420-872-00	COIL, AIR-CORE (AEP, UK, CH)	
		< TRANSISTOR >	
Q801	8-729-140-84	TRANSISTOR 2SC1841TP-PAFAEA	
Q821	8-729-231-55	TRANSISTOR 2SC2878AB-TPE2	
Q822	8-729-900-63	TRANSISTOR BN1F4M-TP	
Q851	8-729-140-84	TRANSISTOR 2SC1841TP-PAFAEA	
Q871	8-729-231-55	TRANSISTOR 2SC2878AB-TPE2	
Q881	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q883	8-729-119-78	TRANSISTOR 2SC2785TP-HFE	
Q891	8-729-140-84	TRANSISTOR 2SC1841TP-PAFAEA	
Q892	8-729-140-84	TRANSISTOR 2SC1841TP-PAFAEA	
Q893	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q894	8-729-119-78	TRANSISTOR 2SC2785TP-HFE	
Q895	8-729-119-78	TRANSISTOR 2SC2785TP-HFE	
Q896	8-729-119-78	TRANSISTOR 2SC2785TP-HFE	
Q897	8-729-119-78	TRANSISTOR 2SC2785TP-HFE	
Q961	8-729-140-84	TRANSISTOR 2SC1841TP-PAFAEA	
Q962	8-729-140-82	TRANSISTOR 2SA1376-T-L	
Q963	8-729-140-84	TRANSISTOR 2SC1841TP-PAFAEA	
Q981	8-729-048-52	TRANSISTOR 2SA1932 (TP)	
		< RESISTOR >	
R801	1-249-417-11	CARBON 1K 5% 1/4W	
R802	1-249-438-11	CARBON 56K 5% 1/4W	
R803	1-249-414-11	CARBON 560 5% 1/4W	(EXCEPT US, CND, AEP, UK)
R803	1-249-415-11	CARBON 680 5% 1/4W	(US, CND, AEP, UK)
R804	1-249-438-11	CARBON 56K 5% 1/4W	
⚠R805	1-234-499-21	ENCAPSULATED COMPONENT	
R806	1-249-417-11	CARBON 1K 5% 1/4W	
R807	1-249-431-11	CARBON 15K 5% 1/4W	
R808	1-249-441-11	CARBON 100K 5% 1/4W	
R809	1-260-076-11	CARBON 10 5% 1/2W	
R811	1-260-076-11	CARBON 10 5% 1/2W	(AEP, UK, CH)
R812	1-260-076-11	CARBON 10 5% 1/2W	(AEP, UK, CH)
R814	1-249-437-11	CARBON 47K 5% 1/4W	
R815	1-249-437-11	CARBON 47K 5% 1/4W	
R821	1-260-089-11	CARBON 150 5% 1/2W	

Ref. No.	Part No.	Description	Remark
R822	1-260-089-11	CARBON 150 5% 1/2W	
R823	1-260-089-11	CARBON 150 5% 1/2W	
R824	1-260-089-11	CARBON 150 5% 1/2W	
R825	1-249-402-11	CARBON 56 5% 1/4W	
R826	1-249-417-11	CARBON 1K 5% 1/4W	
R827	1-249-433-11	CARBON 22K 5% 1/4W	
R828	1-249-417-11	CARBON 1K 5% 1/4W	
R829	1-249-437-11	CARBON 47K 5% 1/4W	
R830	1-249-417-11	CARBON 1K 5% 1/4W	
R831	1-260-076-11	CARBON 10 5% 1/2W	(AEP, UK, CH)
R832	1-260-076-11	CARBON 10 5% 1/2W	(AEP, UK, CH)
R833	1-260-076-11	CARBON 10 5% 1/2W	(AEP, UK, CH)
R834	1-260-076-11	CARBON 10 5% 1/2W	(AEP, UK, CH)
R835	1-260-076-11	CARBON 10 5% 1/2W	(AEP, UK, CH)
R836	1-260-076-11	CARBON 10 5% 1/2W	(AEP, UK, CH)
R837	1-249-437-11	CARBON 47K 5% 1/4W	
R838	1-249-437-11	CARBON 47K 5% 1/4W	
R839	1-249-437-11	CARBON 47K 5% 1/4W	
R851	1-249-417-11	CARBON 1K 5% 1/4W	
R852	1-249-438-11	CARBON 56K 5% 1/4W	
R853	1-249-414-11	CARBON 560 5% 1/4W	(EXCEPT US, CND, AEP, UK)
R853	1-249-415-11	CARBON 680 5% 1/4W	(US, CND, AEP, UK)
R854	1-249-438-11	CARBON 56K 5% 1/4W	
⚠R855	1-234-499-21	ENCAPSULATED COMPONENT	
R856	1-249-417-11	CARBON 1K 5% 1/4W	
R857	1-249-431-11	CARBON 15K 5% 1/4W	
R858	1-249-441-11	CARBON 100K 5% 1/4W	
R859	1-260-076-11	CARBON 10 5% 1/2W	
R861	1-260-076-11	CARBON 10 5% 1/2W	(AEP, UK, CH)
R862	1-260-076-11	CARBON 10 5% 1/2W	(AEP, UK, CH)
R871	1-260-089-11	CARBON 150 5% 1/2W	
R872	1-260-089-11	CARBON 150 5% 1/2W	
R873	1-260-089-11	CARBON 150 5% 1/2W	
R874	1-260-089-11	CARBON 150 5% 1/2W	
R875	1-249-402-11	CARBON 56 5% 1/4W	
R876	1-249-417-11	CARBON 1K 5% 1/4W	
R877	1-249-433-11	CARBON 22K 5% 1/4W	
R878	1-249-417-11	CARBON 1K 5% 1/4W	
R879	1-249-441-11	CARBON 100K 5% 1/4W	
R880	1-247-903-00	CARBON 1M 5% 1/4W	
⚠R881	1-215-889-00	METAL OXIDE 330 5% 2W	F
R883	1-249-437-11	CARBON 47K 5% 1/4W	
R885	1-249-429-11	CARBON 10K 5% 1/4W	
R887	1-249-441-11	CARBON 100K 5% 1/4W	
R889	1-249-429-11	CARBON 10K 5% 1/4W	
R891	1-249-438-11	CARBON 56K 5% 1/4W	
R892	1-249-439-11	CARBON 68K 5% 1/4W	
R894	1-249-429-11	CARBON 10K 5% 1/4W	
R895	1-249-429-11	CARBON 10K 5% 1/4W	
R896	1-249-435-11	CARBON 33K 5% 1/4W	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

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Ne les remplacer que par une pièce portant le numéro spécifié.

以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

Ref. No.	Part No.	Description				Remark
R897	1-249-433-11	CARBON	22K	5%	1/4W	
R898	1-249-425-11	CARBON	4.7K	5%	1/4W	
R900	1-249-425-11	CARBON	4.7K	5%	1/4W	
⚠R951	1-215-877-11	METAL OXIDE	22K	5%	1W	F (E, MX, AR, AUS)
⚠R952	1-215-877-11	METAL OXIDE	22K	5%	1W	F (E, MX, AR, AUS)
R961	1-215-870-11	METAL OXIDE	1.5K	5%	1W	
R962	1-215-870-11	METAL OXIDE	1.5K	5%	1W	
⚠R963	1-212-881-11	FUSIBLE	100	5%	1/4W	F
⚠R964	1-212-881-11	FUSIBLE	100	5%	1/4W	F
R965	1-249-431-11	CARBON	15K	5%	1/4W	
R966	1-249-435-11	CARBON	33K	5%	1/4W	
R967	1-249-435-11	CARBON	33K	5%	1/4W	
⚠R968	1-202-972-61	FUSIBLE	1	5%	1/4W	F
R969	1-249-439-11	CARBON	68K	5%	1/4W	
R970	1-249-433-11	CARBON	22K	5%	1/4W	
R971	1-249-421-11	CARBON	2.2K	5%	1/4W	
R972	1-249-433-11	CARBON	22K	5%	1/4W	
R973	1-249-421-11	CARBON	2.2K	5%	1/4W	
R974	1-249-429-11	CARBON	10K	5%	1/4W	
R982	1-249-427-11	CARBON	6.8K	5%	1/4W	
R983	1-249-421-11	CARBON	2.2K	5%	1/4W	
R984	1-249-429-11	CARBON	10K	5%	1/4W	
		< RELAY >				
RY881	1-755-141-11	RELAY				
		< TERMINAL >				
TM801	1-694-677-11	TERMINAL BOARD (4P) (FRONT SPEAKER, IMPEDANCE USE 8-16Ω)				
TM802	1-694-674-11	TERMINAL BOARD (6P) (REAR/CENTER SPEAKER, IMPEDANCE USE 8-16Ω)				
**********						
	1-676-971-11	HP BOARD				
		*********				
		< CAPACITOR >				
C1691	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C1692	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C1693	1-164-159-11	CERAMIC	0.1uF		50V	
		< CONNECTOR >				
CN1691	1-785-316-51	PIN, CONNECTOR (STRAIGHT) 4P				
		< EARTH TERMINAL >				
* EPT1691	1-537-738-21	TERMINAL, EARTH				
		< INDUCTOR >				
FB1691	1-412-473-21	INDUCTOR	0uH			
FB1692	1-412-473-21	INDUCTOR	0uH			
FB1693	1-412-473-21	INDUCTOR	0uH			
		< JACK >				
J1691	1-793-829-11	JACK, HEADPHONE (PHONES)				
**********						

Ref. No.	Part No.	Description			
	A-4473-238-A	IF BOARD, COMPLETE (EXCEPT TH, CH)			
	A-4473-693-A	IF BOARD, COMPLETE (TH)			
	A-4473-860-A	IF BOARD, COMPLETE (CH)			
		**********			
		< CAPACITOR >			
C1	1-124-779-00	ELECT CHIP	10uF	20%	16V
C2	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C4	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C5	1-115-464-91	CERAMIC CHIP	0.0022uF	10%	630V
C6	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C8	1-163-031-11	CERAMIC CHIP	0.01uF		50V
		< CONNECTOR >			
CN1	1-784-369-21	CONNECTOR, FFC/FPC 10P			
CN3	1-770-215-11	PIN, CONNECTOR (PC BOARD) 7P			
CN5	1-793-991-11	CONNECTOR, FFC/FPC 23P			
CN6	1-793-991-11	CONNECTOR, FFC/FPC 23P			
CN7	1-793-989-11	CONNECTOR, FFC/FPC 13P			
CN8	1-793-989-11	CONNECTOR, FFC/FPC 13P			
CN9	1-784-376-11	CONNECTOR, FFC/FPC 17P			
CN10	1-784-869-21	CONNECTOR, FFC (LIF (NON-ZIF)) 17P			
CN11	1-793-687-31	PIN, CONNECTOR (1.5mm) (SMD) 5P			
CN12	1-793-687-31	PIN, CONNECTOR (1.5mm) (SMD) 5P			
CN13	1-793-687-11	PIN, CONNECTOR (1.5mm) (SMD) 5P			
CN14	1-793-687-11	PIN, CONNECTOR (1.5mm) (SMD) 5P			
		< FERRITE BEAD >			
FB1	1-414-813-11	FERRITE	0uH		
FB2	1-414-813-11	FERRITE	0uH		
FB3	1-414-813-11	FERRITE	0uH		
		< IC >			
IC1	8-759-645-59	IC uPD784214AYGF-501-3BA			
IC2	8-759-497-44	IC TC7WH125FU (TE12R)			
		< RESISTOR >			
JR1	1-216-295-00	SHORT	0		
JR3	1-216-295-00	SHORT	0		
JR4	1-216-295-00	SHORT	0		
JR5	1-216-295-00	SHORT	0		
JR6	1-216-295-00	SHORT	0		
JR7	1-216-295-00	SHORT	0		
JR8	1-216-295-00	SHORT	0		
JR9	1-216-295-00	SHORT	0		
JR10	1-216-089-00	RES-CHIP	47K	5%	1/10W
JR11	1-216-296-00	SHORT	0		
JR14	1-216-296-00	SHORT	0		
JR15	1-216-296-00	SHORT	0		
JR16	1-216-296-00	SHORT	0		
JR17	1-216-296-00	SHORT	0		
JR18	1-216-296-00	SHORT	0		
JR19	1-216-296-00	SHORT	0		
JR20	1-216-296-00	SHORT	0		
JR23	1-216-296-00	SHORT	0		
JR24	1-216-296-00	SHORT	0		
JR25	1-216-296-00	SHORT	0		

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le neméro spécifié.

以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

IF | INIT/COUNT SW | IN SW | LEAF SW

Ref. No.	Part No.	Description			Remark
JR26	1-216-296-00	SHORT	0		
JR27	1-216-296-00	SHORT	0		
JR28	1-216-296-00	SHORT	0		
JR29	1-216-296-00	SHORT	0		
JR30	1-216-296-00	SHORT	0		
JR31	1-216-296-00	SHORT	0		
JR32	1-216-296-00	SHORT	0		
JR33	1-216-296-00	SHORT	0		
JR34	1-216-296-00	SHORT	0		
JR35	1-216-296-00	SHORT	0		
JR36	1-216-296-00	SHORT	0		
JR37	1-216-296-00	SHORT	0		
JR38	1-216-296-00	SHORT	0		
JR39	1-216-296-00	SHORT	0		
JR40	1-216-296-00	SHORT	0		
JR41	1-216-296-00	SHORT	0		
JR42	1-216-296-00	SHORT	0		
JR43	1-216-296-00	SHORT	0		
		< TRANSISTOR >			
Q1	8-729-027-31	TRANSISTOR	DTA124EKA-T146		
Q2	8-729-025-28	FET	2SK1828TE85L		
Q3	8-729-025-28	FET	2SK1828TE85L		
Q4	8-729-025-28	FET	2SK1828TE85L		
		< RESISTOR >			
R1	1-216-174-00	RES-CHIP	100	5%	1/8W
R2	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3	1-216-097-00	RES-CHIP	100K	5%	1/10W
R4	1-216-073-00	METAL CHIP	10K	5%	1/10W
R5	1-216-089-00	RES-CHIP	47K	5%	1/10W
R6	1-216-025-00	RES-CHIP	100	5%	1/10W
R7	1-216-073-00	METAL CHIP	10K	5%	1/10W
R8	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R9	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R10	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R11	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R17	1-216-073-00	METAL CHIP	10K	5%	1/10W
R18	1-216-073-00	METAL CHIP	10K	5%	1/10W
R19	1-216-222-00	RES-CHIP	10K	5%	1/8W
R20	1-216-073-00	METAL CHIP	10K	5%	1/10W
R21	1-216-097-00	RES-CHIP	100K	5%	1/10W
R22	1-216-073-00	METAL CHIP	10K	5%	1/10W
R30	1-216-198-00	RES-CHIP	1K	5%	1/8W
R31	1-216-097-00	RES-CHIP	100K	5%	1/10W
R32	1-216-198-00	RES-CHIP	1K	5%	1/8W
R33	1-216-097-00	RES-CHIP	100K	5%	1/10W
R34	1-216-049-11	RES-CHIP	1K	5%	1/10W
R35	1-216-097-00	RES-CHIP	100K	5%	1/10W
R44	1-216-025-00	RES-CHIP	100	5%	1/10W
R48	1-216-097-00	RES-CHIP	100K	5%	1/10W
R49	1-216-025-00	RES-CHIP	100	5%	1/10W
R50	1-216-073-00	METAL CHIP	10K	5%	1/10W
R60	1-216-174-00	RES-CHIP	100	5%	1/8W
R68	1-216-025-00	RES-CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
		< COMPOSITION CIRCUIT BLOCK >			
RB1	1-233-576-11	RES, CHIP NETWORK 100			
RB2	1-233-810-21	RES, NETWORK 100K (3216)			
RB3	1-233-576-11	RES, CHIP NETWORK 100			
		< VIBRATOR >			
X1	1-781-893-21	VIBRATOR, CERAMIC (CHIP TYPE) (12.5MHz)			
**********					
	1-675-724-11	INIT/COUNT SW BOARD			
		**********			
		< SWITCH >			
S705	1-771-264-11	SWITCH, PUSH (DETECTION) (1 KEY) (INIT)			
S706	1-771-264-11	SWITCH, PUSH (DETECTION) (1 KEY) (COUNT)			
**********					
	1-675-723-11	IN SW BOARD			
		**********			
		< CONNECTOR >			
* CN710	1-568-941-11	PIN, CONNECTOR 3P			
		< SWITCH >			
S703	1-771-218-11	SWITCH, MICRO (MID IN)			
S704	1-771-218-11	SWITCH, MICRO (IN)			
**********					
	A-2007-838-A	LEAF SW BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C1001	1-107-716-11	ELECT	33uF	20%	10V
		< CONNECTOR >			
CN1001	1-568-860-21	SOCKET, CONNECTOR 17P			
		< DIODE >			
D1001	8-719-911-19	DIODE 1SS133T-72			
D1002	8-719-911-19	DIODE 1SS133T-72			
		< PHOTO INTERRUPTER >			
IC1001	8-749-014-38	PHOTO INTERRUPTER SG-264			
IC1002	8-749-014-38	PHOTO INTERRUPTER SG-264			
		< TRANSISTOR >			
Q1001	8-729-029-56	TRANSISTOR	DTA144ESA-TP		
		< RESISTOR >			
R907	1-247-879-11	CARBON	100K	5%	1/4W
R1001	1-249-409-11	CARBON	220	5%	1/4W
R1002	1-249-409-11	CARBON	220	5%	1/4W
R1003	1-249-414-11	CARBON	560	5%	1/4W
R1004	1-247-834-11	CARBON	1.3K	5%	1/4W
R1005	1-247-818-11	CARBON	300	5%	1/4W
R1006	1-247-864-11	CARBON	24K	5%	1/4W

Ref. No.	Part No.	Description			Remark
R1007	1-247-780-00	CARBON	7.5	5%	1/4W
R1008	1-249-417-11	CARBON	1K	5%	1/4W
		< VARIABLE RESISTOR >			
RV1001	1-241-785-11	RES, ADJ, CARBON 10K			
RV1002	1-241-785-11	RES, ADJ, CARBON 10K			
		< SWITCH >			
S1001	1-570-953-11	SWITCH, PUSH (1 KEY) (A PLAY)			
S1002	1-570-953-11	SWITCH, PUSH (1 KEY) (B PLAY)			
S1003	1-771-333-11	SWITCH, LEAF (A HALF)			
S1004	1-771-205-11	SWITCH, LEAF (A 120/70)			
S1005	1-771-205-11	SWITCH, LEAF (REC A)			
S1006	1-771-333-11	SWITCH, LEAF (B HALF)			
S1008	1-771-205-11	SWITCH, LEAF (B 120/70)			
S1009	1-771-205-11	SWITCH, LEAF (REC B)			
**********					
	1-675-728-11	LOAD MOTOR BOARD			
		**********			
		< CAPACITOR >			
C703	1-162-306-11	CERAMIC	0.01uF	30%	16V
C704	1-126-964-11	ELECT	10uF	20%	50V
C705	1-162-306-11	CERAMIC	0.01uF	30%	16V
		< CONNECTOR >			
* CN713	1-568-954-11	PIN, CONNECTOR 5P			
		< DIODE >			
D702	8-719-109-85	DIODE MTZJ-T-72-5.1B			
		< IC >			
IC702	8-759-633-65	IC M54641L			
		< RESISTOR >			
R703	1-249-411-11	CARBON	330	5%	1/4W
R704	1-249-401-11	CARBON	47	5%	1/4W
**********					
	A-4428-997-A	MAIN BOARD, COMPLETE (US, CND)			
	A-4473-019-A	MAIN BOARD, COMPLETE (AEP, UK)			
	A-4473-029-A	MAIN BOARD, COMPLETE (MY, SP, HK, TW)			
	A-4473-670-A	MAIN BOARD, COMPLETE (E, MX, AR)			
	A-4473-674-A	MAIN BOARD, COMPLETE (EA)			
	A-4473-690-A	MAIN BOARD, COMPLETE (TH)			
	A-4473-857-A	MAIN BOARD, COMPLETE (CH)			
	A-4475-123-A	MAIN BOARD, COMPLETE (AUS)			
		**********			
	4-875-327-31	HEAT SINK			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S			
		< CAPACITOR/SHORT >			
C103	1-126-960-11	ELECT	1uF	20%	50V
C107	1-136-157-00	MYLAR	0.022uF	5%	50V
C108	1-136-157-00	MYLAR	0.022uF	5%	50V
C109	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V
C110	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V

Ref. No.	Part No.	Description			Remark
C111	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C112	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C113	1-126-964-11	ELECT	10uF	20%	50V
C114	1-136-495-11	MYLAR	0.068uF	5%	50V
C115	1-130-481-00	MYLAR	0.0068uF	5%	50V
C116	1-130-481-00	MYLAR	0.0068uF	5%	50V
C117	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V
C118	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C119	1-136-159-00	MYLAR	0.033uF	5%	50V
C120	1-126-964-11	ELECT	10uF	20%	50V
C121	1-126-964-11	ELECT	10uF	20%	50V
C122	1-136-165-00	MYLAR	0.1uF	5%	50V
C123	1-136-165-00	MYLAR	0.1uF	5%	50V
C124	1-126-960-11	ELECT	1uF	20%	50V
C125	1-104-665-11	ELECT	100uF	20%	10V
C126	1-136-165-00	MYLAR	0.1uF	5%	50V
C127	1-104-664-11	ELECT	47uF	20%	16V
C128	1-104-664-11	ELECT	47uF	20%	16V
C129	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C132	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C133	1-126-964-11	ELECT	10uF	20%	50V
C137	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C142	1-163-001-11	CERAMIC CHIP	220PF	10%	50V (AEP, UK, CH)
C144	1-163-001-11	CERAMIC CHIP	220PF	10%	50V (AEP, UK, CH)
C146	1-163-001-11	CERAMIC CHIP	220PF	10%	50V (AEP, UK, CH)
C153	1-126-960-11	ELECT	1uF	20%	50V
C155	1-126-964-11	ELECT	10uF	20%	50V
C157	1-136-157-00	MYLAR	0.022uF	5%	50V
C158	1-136-157-00	MYLAR	0.022uF	5%	50V
C159	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V
C160	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V
C161	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C162	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C163	1-126-964-11	ELECT	10uF	20%	50V
C164	1-136-495-11	MYLAR	0.068uF	5%	50V
C165	1-130-481-00	MYLAR	0.0068uF	5%	50V
C166	1-130-481-00	MYLAR	0.0068uF	5%	50V
C167	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V
C168	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C169	1-136-159-00	MYLAR	0.033uF	5%	50V
C170	1-126-964-11	ELECT	10uF	20%	50V
C171	1-126-964-11	ELECT	10uF	20%	50V
C172	1-136-165-00	MYLAR	0.1uF	5%	50V
C173	1-136-165-00	MYLAR	0.1uF	5%	50V
C174	1-126-960-11	ELECT	1uF	20%	50V
C175	1-104-665-11	ELECT	100uF	20%	10V
C181	1-109-889-11	ELECT	1uF	20%	50V
C192	1-163-001-11	CERAMIC CHIP	220PF	10%	50V (AEP, UK, CH)
C194	1-163-001-11	CERAMIC CHIP	220PF	10%	50V (AEP, UK, CH)
C196	1-163-001-11	CERAMIC CHIP	220PF	10%	50V (AEP, UK, CH)
C197	1-216-295-00	SHORT	0		
C201	1-126-960-11	ELECT	1uF	20%	50V

MAIN

Ref. No.	Part No.	Description			Remark
C202	1-126-960-11	ELECT	1uF	20%	50V
C203	1-126-959-11	ELECT	0.47uF	20%	50V
C204	1-126-959-11	ELECT	0.47uF	20%	50V
C205	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C206	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C207	1-126-959-11	ELECT	0.47uF	20%	50V
C208	1-126-959-11	ELECT	0.47uF	20%	50V
C209	1-126-959-11	ELECT	0.47uF	20%	50V
C210	1-126-959-11	ELECT	0.47uF	20%	50V
C211	1-126-959-11	ELECT	0.47uF	20%	50V
C212	1-126-959-11	ELECT	0.47uF	20%	50V
C213	1-136-165-00	MYLAR	0.1uF	5%	50V
C214	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C216	1-126-960-11	ELECT	1uF	20%	50V
C217	1-130-479-00	MYLAR	0.0047uF	5%	50V
C218	1-130-471-00	MYLAR	0.001uF	5%	50V
C219	1-136-165-00	MYLAR	0.1uF	5%	50V
C220	1-136-169-00	MYLAR	0.22uF	5%	50V
C221	1-136-169-00	MYLAR	0.22uF	5%	50V
C222	1-136-165-00	MYLAR	0.1uF	5%	50V
C223	1-130-479-00	MYLAR	0.0047uF	5%	50V
C224	1-130-471-00	MYLAR	0.001uF	5%	50V
C225	1-126-960-11	ELECT	1uF	20%	50V
C226	1-130-480-00	MYLAR	0.0056uF	5%	50V
C227	1-136-161-00	MYLAR	0.047uF	5%	50V
C228	1-136-175-00	MYLAR	0.68uF	5%	50V
C229	1-136-169-00	MYLAR	0.22uF	5%	50V
C230	1-136-169-00	MYLAR	0.22uF	5%	50V
C231	1-126-963-11	ELECT	4.7uF	20%	50V
C232	1-126-963-11	ELECT	4.7uF	20%	50V
C233	1-136-169-00	MYLAR	0.22uF	5%	50V
C234	1-136-169-00	MYLAR	0.22uF	5%	50V
C235	1-136-165-00	MYLAR	0.1uF	5%	50V
C236	1-136-161-00	MYLAR	0.047uF	5%	50V
C237	1-136-161-00	MYLAR	0.047uF	5%	50V
C238	1-136-165-00	MYLAR	0.1uF	5%	50V
C239	1-136-165-00	MYLAR	0.1uF	5%	50V
C240	1-136-157-00	MYLAR	0.022uF	5%	50V
C241	1-136-157-00	MYLAR	0.022uF	5%	50V
C242	1-136-165-00	MYLAR	0.1uF	5%	50V
C243	1-130-469-00	MYLAR	680PF	5%	50V
C244	1-136-153-00	FILM	0.01uF	5%	50V
C245	1-136-153-00	FILM	0.01uF	5%	50V
C246	1-130-469-00	MYLAR	680PF	5%	50V
C247	1-136-153-00	FILM	0.01uF	5%	50V
C248	1-136-153-00	FILM	0.01uF	5%	50V
C249	1-104-664-11	ELECT	47uF	20%	16V
C250	1-130-481-00	MYLAR	0.0068uF	5%	50V
C251	1-126-963-11	ELECT	4.7uF	20%	50V
C252	1-126-934-11	ELECT	220uF	20%	16V
C253	1-126-934-11	ELECT	220uF	20%	16V
C255	1-126-964-11	ELECT	10uF	20%	50V
C256	1-126-964-11	ELECT	10uF	20%	50V
C257	1-126-964-11	ELECT	10uF	20%	50V
C258	1-126-964-11	ELECT	10uF	20%	50V
C259	1-126-964-11	ELECT	10uF	20%	50V
C260	1-126-964-11	ELECT	10uF	20%	50V

Ref. No.	Part No.	Description			Remark
C261	1-126-964-11	ELECT	10uF	20%	50V
C264	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C266	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C267	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C268	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C269	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C270	1-136-162-00	MYLAR	0.056uF	5%	50V
C271	1-126-960-11	ELECT	1uF	20%	50V
C272	1-126-960-11	ELECT	1uF	20%	50V
C273	1-126-960-11	ELECT	1uF	20%	50V
C274	1-126-960-11	ELECT	1uF	20%	50V
C287	1-216-295-00	SHORT	0		
C301	1-126-960-11	ELECT	1uF	20%	50V
C302	1-130-479-00	MYLAR	0.0047uF	5%	50V
C303	1-136-165-00	MYLAR	0.1uF	5%	50V
C304	1-136-165-00	MYLAR	0.1uF	5%	50V
C305	1-126-964-11	ELECT	10uF	20%	50V
C306	1-126-960-11	ELECT	1uF	20%	50V
C307	1-126-959-11	ELECT	0.47uF	20%	50V
C308	1-126-964-11	ELECT	10uF	20%	50V
C309	1-137-194-81	MYLAR	0.47uF	5%	50V
C310	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C311	1-126-964-11	ELECT	10uF	20%	50V
C312	1-126-959-11	ELECT	0.47uF	20%	50V
C313	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C314	1-126-964-11	ELECT	10uF	20%	50V
C315	1-126-963-11	ELECT	4.7uF	20%	50V
C316	1-126-933-11	ELECT	100uF	20%	16V
C317	1-104-665-11	ELECT	100uF	20%	10V
C318	1-126-959-11	ELECT	0.47uF	20%	50V
C319	1-126-959-11	ELECT	0.47uF	20%	50V
C321	1-126-964-11	ELECT	10uF	20%	50V
C322	1-126-964-11	ELECT	10uF	20%	50V
C351	1-126-960-11	ELECT	1uF	20%	50V
C352	1-130-479-00	MYLAR	0.0047uF	5%	50V
C353	1-136-165-00	MYLAR	0.1uF	5%	50V
C354	1-136-165-00	MYLAR	0.1uF	5%	50V
C355	1-126-964-11	ELECT	10uF	20%	50V
C356	1-126-960-11	ELECT	1uF	20%	50V
C357	1-126-959-11	ELECT	0.47uF	20%	50V
C358	1-126-964-11	ELECT	10uF	20%	50V
C359	1-137-194-81	MYLAR	0.47uF	5%	50V
C360	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C362	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V
C363	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V
C368	1-126-959-11	ELECT	0.47uF	20%	50V
C369	1-126-959-11	ELECT	0.47uF	20%	50V
C410	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C411	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C414	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C416	1-126-916-11	ELECT	1000uF	20%	6.3V
C462	1-104-665-11	ELECT	100uF	20%	10V
C464	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C497	1-126-964-11	ELECT	10uF	20%	50V
C498	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C499	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C501	1-136-165-00	MYLAR	0.1uF	5%	50V
C502	1-136-165-00	MYLAR	0.1uF	5%	50V

Ref. No.	Part No.	Description			Remark
C503	1-126-964-11	ELECT	10uF	20%	50V
C511	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C512	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C551	1-104-665-11	ELECT	100uF	20%	10V
C601	1-126-964-11	ELECT	10uF	20%	50V
C602	1-126-964-11	ELECT	10uF	20%	50V
C603	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C604	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C605	1-163-255-11	CERAMIC CHIP	150PF	5%	50V
C606	1-163-255-11	CERAMIC CHIP	150PF	5%	50V
C607	1-126-964-11	ELECT	10uF	20%	50V
C608	1-126-964-11	ELECT	10uF	20%	50V
C609	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C610	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C611	1-126-964-11	ELECT	10uF	20%	50V
C612	1-126-964-11	ELECT	10uF	20%	50V
C613	1-163-003-11	CERAMIC CHIP	330PF	10%	50V
C614	1-163-003-11	CERAMIC CHIP	330PF	10%	50V
C615	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
C616	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
C617	1-126-964-11	ELECT	10uF	20%	50V
C618	1-126-964-11	ELECT	10uF	20%	50V
C619	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C620	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C621	1-126-964-11	ELECT	10uF	20%	50V
C622	1-126-964-11	ELECT	10uF	20%	50V
C623	1-163-003-11	CERAMIC CHIP	330PF	10%	50V
C624	1-163-003-11	CERAMIC CHIP	330PF	10%	50V
C625	1-163-135-00	CERAMIC CHIP	560PF	5%	50V
C626	1-163-135-00	CERAMIC CHIP	560PF	5%	50V
C627	1-126-964-11	ELECT	10uF	20%	50V
C628	1-126-964-11	ELECT	10uF	20%	50V
C629	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C630	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C631	1-126-964-11	ELECT	10uF	20%	50V
C632	1-126-964-11	ELECT	10uF	20%	50V
C633	1-130-471-00	MYLAR	0.001uF	5%	50V
C634	1-163-003-11	CERAMIC CHIP	330PF	10%	50V
C635	1-136-159-00	MYLAR	0.033uF	5%	50V
C636	1-163-135-00	CERAMIC CHIP	560PF	5%	50V
C637	1-126-964-11	ELECT	10uF	20%	50V
C638	1-126-964-11	ELECT	10uF	20%	50V
C639	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C640	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C641	1-130-481-00	MYLAR	0.0068uF	5%	50V
C642	1-130-481-00	MYLAR	0.0068uF	5%	50V
C643	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V
C644	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V
C645	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V
C646	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V
C647	1-136-157-00	MYLAR	0.022uF	5%	50V
C648	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V
C680	1-104-664-11	ELECT	47uF	20%	10V
C681	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C682	1-126-916-11	ELECT	1000uF	20%	6.3V
C683	1-104-665-11	ELECT	100uF	20%	10V
C684	1-126-916-11	ELECT	1000uF	20%	6.3V
C685	1-104-665-11	ELECT	100uF	20%	10V
C686	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C687	1-163-233-11	CERAMIC CHIP	18PF	5%	50V
C688	1-163-233-11	CERAMIC CHIP	18PF	5%	50V
C689	1-163-233-11	CERAMIC CHIP	18PF	5%	50V
C690	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C691	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C692	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C901	1-126-937-11	ELECT	4700uF	20%	16V
C902	1-126-768-11	ELECT	2200uF	20%	16V
C903	1-126-964-11	ELECT	10uF	20%	50V
C904	1-126-964-11	ELECT	10uF	20%	50V
C905	1-126-964-11	ELECT	10uF	20%	50V
C906	1-126-964-11	ELECT	10uF	20%	50V
C907	1-126-924-11	ELECT	330uF	20%	6.3V
C908	1-126-924-11	ELECT	330uF	20%	6.3V
C909	1-126-964-11	ELECT	10uF	20%	50V
C911	1-126-916-11	ELECT	1000uF	20%	6.3V
C912	1-104-665-11	ELECT	100uF	20%	10V
C914	1-104-665-11	ELECT	100uF	20%	10V
C915	1-126-916-11	ELECT	1000uF	20%	6.3V
C920	1-126-943-11	ELECT	2200uF	20%	25V
C921	1-126-956-91	ELECT	0.1uF	20%	50V
C922	1-126-767-11	ELECT	1000uF	20%	16V
C924	1-126-956-91	ELECT	0.1uF	20%	50V
C925	1-126-935-11	ELECT	470uF	20%	16V
C931	1-126-964-11	ELECT	10uF	20%	50V
C932	1-126-935-11	ELECT	470uF	20%	16V
C941	1-163-038-00	CERAMIC CHIP	0.1uF		25V

< CONNECTOR >

CN103	1-785-316-41	PIN, CONNECTOR (STRAIGHT) 4P	(EA, MY, SP, HK, TH, TW, CH)
CN304	1-784-778-11	CONNECTOR, FFC 17P	
CN305	1-784-776-11	CONNECTOR, FFC 15P	
CN502	1-784-774-11	CONNECTOR, FFC 13P (EXCEPT AEP, UK, CH)	
CN502	1-784-776-11	CONNECTOR, FFC 15P (AEP, UK, CH)	
CN503	1-568-830-11	CONNECTOR, FFC 11P	
CN504	1-785-319-11	PIN, CONNECTOR (STRAIGHT) 7P	
CN601	1-770-165-11	CONNECTOR, FFC/FPC 13P	
CN602	1-770-651-11	CONNECTOR, FFC/FPC 23P	
CN901	1-778-981-21	CONNECTOR, BOARD TO BOARD 13P	
CN902	1-778-981-21	CONNECTOR, BOARD TO BOARD 13P	
* CN941	1-564-518-11	PLUG, CONNECTOR 3P	

< DIODE >

D101	8-719-988-61	DIODE	1SS355TE-17
D102	8-719-988-61	DIODE	1SS355TE-17
D181	8-719-988-61	DIODE	1SS355TE-17
D182	8-719-988-61	DIODE	1SS355TE-17
D184	8-719-911-19	DIODE	1SS119-25
D201	8-719-988-61	DIODE	1SS355TE-17
D501	8-719-988-61	DIODE	1SS355TE-17
D502	8-719-988-61	DIODE	1SS355TE-17
D503	8-719-988-61	DIODE	1SS355TE-17
D504	8-719-988-61	DIODE	1SS355TE-17
D505	8-719-988-61	DIODE	1SS355TE-17

MAIN

Ref. No.	Part No.	Description	Remark
D506	8-719-988-61	DIODE 1SS355TE-17	
D507	8-719-210-33	DIODE EC10DS2-TE12L5	
D508	8-719-988-61	DIODE 1SS355TE-17 (US, CND, AEP, UK)	
D509	8-719-988-61	DIODE 1SS355TE-17 (US, CND, AEP, UK)	
D510	8-719-988-61	DIODE 1SS355TE-17	
D512	8-719-210-33	DIODE EC10DS2-TE12L5 (US, CND, AEP, UK)	
D601	8-719-988-61	DIODE 1SS355TE-17	
D602	8-719-988-61	DIODE 1SS355TE-17	
D603	8-719-988-61	DIODE 1SS355TE-17	
D604	8-719-988-61	DIODE 1SS355TE-17	
D605	8-719-988-61	DIODE 1SS355TE-17	
D606	8-719-988-61	DIODE 1SS355TE-17	
D607	8-719-988-61	DIODE 1SS355TE-17	
D608	8-719-988-61	DIODE 1SS355TE-17	
D691	8-719-071-15	DIODE HZM6.8ZWA1TL	
D692	8-719-071-15	DIODE HZM6.8ZWA1TL	
D693	8-719-071-15	DIODE HZM6.8ZWA1TL	
D912	8-719-210-33	DIODE EC10DS2-TE12L5	
D913	8-719-210-33	DIODE EC10DS2-TE12L5	
D914	8-719-210-33	DIODE EC10DS2-TE12L5	
D951	8-719-988-61	DIODE 1SS355TE-17	
D952	8-719-210-33	DIODE EC10DS2-TE12L5	
		< EARTH TERMINAL >	
* EP901	1-537-738-21	TERMINAL, EARTH	
		< FERRITE BEAD >	
FB201	1-414-772-11	FERRITE 0uH	
FB416	1-414-772-11	FERRITE 0uH	
FB462	1-414-772-11	FERRITE 0uH	
FB499	1-414-772-11	FERRITE 0uH	
FB691	1-414-772-11	FERRITE 0uH	
FB692	1-414-772-11	FERRITE 0uH	
FB693	1-414-772-11	FERRITE 0uH	
		< IC >	
IC101	8-759-663-66	IC M61502FP	
IC201	8-759-571-51	IC M62464FP	
IC203	8-759-636-55	IC M5218AFP-T1	
IC204	8-759-636-55	IC M5218AFP-T1	
IC301	8-759-652-02	IC HA12226F	
IC401	8-759-676-71	IC M30620MCA-A53FP	
IC501	8-759-635-63	IC M51943BSL-TP	
IC551	8-749-923-04	IC TOTX178A (CD DIGITAL OUT OPTICAL)	
IC601	8-759-099-06	IC M5218AFP-TE1	
IC602	8-759-099-06	IC M5218AFP-TE1	
IC603	8-759-099-06	IC M5218AFP-TE1	
IC604	8-759-099-06	IC M5218AFP-TE1	
IC691	8-759-563-79	IC BA7660F-E2	
IC901	8-759-231-53	IC M5F7805L	
IC902	8-759-701-65	IC M5F79M05L	
IC903	8-759-158-62	IC TA78057S	
IC905	8-759-464-03	IC uPC29M12HF	
IC906	8-759-604-86	IC M5F7807L	
IC907	8-759-604-32	IC M5F7810L	

Ref. No.	Part No.	Description	Remark
		< JACK/TERMINAL >	
J101	1-784-920-11	JACK, PIN 6P (VIDEO (AUDIO) IN, MD IN/OUT)	
J102	1-770-377-31	JACK, PIN 1P (WOOFER OUT)	
J691	1-537-943-11	TERMINAL, S (S VIDEO OUT)	
J692	1-774-227-11	JACK, PIN 1P (VIDEO OUT)	
		< SHORT/CAPACITOR >	
JR1	1-216-295-00	SHORT 0	
JR2	1-216-295-00	SHORT 0	
JR3	1-216-295-00	SHORT 0	
JR6	1-216-296-00	SHORT 0	
JR7	1-216-295-00	SHORT 0	
JR9	1-216-296-00	SHORT 0	
JR10	1-216-296-00	SHORT 0	
JR11	1-216-295-00	SHORT 0	
JR15	1-216-295-00	SHORT 0	
JR16	1-216-295-00	SHORT 0	
JR17	1-216-295-00	SHORT 0	
JR18	1-216-295-00	SHORT 0 (US, CND, AEP, UK, E, MX, AR, AUS)	
JR19	1-216-295-00	SHORT 0	
JR20	1-216-295-00	SHORT 0	
JR22	1-216-296-00	SHORT 0	
JR23	1-216-296-00	SHORT 0	
JR24	1-216-296-00	SHORT 0	
JR25	1-216-296-00	SHORT 0	
JR26	1-216-295-00	SHORT 0	
JR27	1-216-295-00	SHORT 0	
JR29	1-216-296-00	SHORT 0	
JR31	1-216-296-00	SHORT 0	
JR32	1-216-295-00	SHORT 0	
JR33	1-216-296-00	SHORT 0	
JR35	1-216-296-00	SHORT 0	
JR36	1-216-296-00	SHORT 0	
JR37	1-216-296-00	SHORT 0	
JR38	1-216-296-00	SHORT 0	
JR39	1-216-296-00	SHORT 0	
JR40	1-216-296-00	SHORT 0	
JR41	1-216-296-00	SHORT 0	
JR42	1-216-296-00	SHORT 0	
JR43	1-216-295-00	SHORT 0	
JR44	1-216-296-00	SHORT 0	
JR45	1-216-295-00	SHORT 0	
JR46	1-216-296-00	SHORT 0	
JR47	1-216-296-00	SHORT 0	
JR48	1-216-296-00	SHORT 0	
JR49	1-216-296-00	SHORT 0	
JR50	1-216-296-00	SHORT 0	
JR51	1-216-295-00	SHORT 0	
JR52	1-216-295-00	SHORT 0	
JR53	1-216-295-00	SHORT 0	
JR54	1-216-295-00	SHORT 0	
JR55	1-216-296-00	SHORT 0	
JR57	1-216-295-00	SHORT 0 (AEP, UK)	
JR76	1-216-296-00	SHORT 0 (EA, MY, SP, HK, TH, TW, CH)	
JR77	1-216-296-00	SHORT 0	
JR78	1-216-295-00	SHORT 0	

Ref. No.	Part No.	Description	Remark
JR101	1-164-005-11	CERAMIC CHIP	0.47uF 25V (EA, MY, SP, HK, TH, TW, CH)
JR101	1-216-295-00	SHORT	0 (US, CND, AEP, UK, E, MX, AR, AUS)
JR103	1-216-295-00	SHORT	0
JR104	1-216-295-00	SHORT	0
JR105	1-216-295-00	SHORT	0
JR406	1-216-295-00	SHORT	0
JR495	1-216-295-00	SHORT	0
JR500	1-216-295-00	SHORT	0 (EXCEPT US, CND, AEP, UK)
JR501	1-216-295-00	SHORT	0 (AEP, UK)
JR502	1-216-295-00	SHORT	0 (AEP, UK)
JR503	1-216-295-00	SHORT	0 (AEP, UK)
JR511	1-216-295-00	SHORT	0
JR512	1-216-295-00	SHORT	0
JR601	1-216-295-00	SHORT	0
JR602	1-216-295-00	SHORT	0
JR901	1-216-296-00	SHORT	0
JR922	1-216-296-00	SHORT	0
JR923	1-216-296-00	SHORT	0 (EXCEPT AEP, UK)
JR924	1-216-296-00	SHORT	0 (EXCEPT AEP, UK)
JR993	1-216-295-00	SHORT	0
		< COIL >	
L201	1-410-393-11	INDUCTOR CHIP	100uH
L551	1-410-393-11	INDUCTOR CHIP	100uH
L691	1-410-383-31	INDUCTOR CHIP	15uH
L692	1-410-383-31	INDUCTOR CHIP	15uH
L693	1-410-383-31	INDUCTOR CHIP	15uH
		< TRANSISTOR >	
Q101	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF
Q102	8-729-141-30	TRANSISTOR	2SC3623A-LK
Q130	8-729-231-55	TRANSISTOR	2SC2878-AB
Q151	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF
Q152	8-729-141-30	TRANSISTOR	2SC3623A-LK
Q181	8-729-900-53	TRANSISTOR	DTC114EKA-T146
Q182	8-729-027-23	TRANSISTOR	DTA114EKA-T146
Q183	8-729-027-23	TRANSISTOR	DTA114EKA-T146
Q184	8-729-027-23	TRANSISTOR	DTA114EKA-T146
Q201	8-729-141-30	TRANSISTOR	2SC3623A-LK
Q202	8-729-141-30	TRANSISTOR	2SC3623A-LK
Q203	8-729-141-30	TRANSISTOR	2SC3623A-LK
Q391	8-729-140-04	TRANSISTOR	2SB1116-TP-LK
Q392	8-729-900-53	TRANSISTOR	DTC114EKA-T146
Q393	8-729-140-04	TRANSISTOR	2SB1116-TP-LK
Q394	8-729-900-53	TRANSISTOR	DTC114EKA-T146
Q395	8-729-900-53	TRANSISTOR	DTC114EKA-T146
Q396	8-729-116-59	TRANSISTOR	2SB1068TP
Q397	8-729-900-53	TRANSISTOR	DTC114EKA-T146
Q501	8-729-120-28	TRANSISTOR	2SC3052EF-T1-LEF
Q601	8-729-107-45	TRANSISTOR	2SC3624A-T1L15L16
Q602	8-729-107-45	TRANSISTOR	2SC3624A-T1L15L16
Q603	8-729-107-45	TRANSISTOR	2SC3624A-T1L15L16
Q604	8-729-107-45	TRANSISTOR	2SC3624A-T1L15L16
Q605	8-729-107-45	TRANSISTOR	2SC3624A-T1L15L16
Q606	8-729-107-45	TRANSISTOR	2SC3624A-T1L15L16
Q607	8-729-107-45	TRANSISTOR	2SC3624A-T1L15L16
Q608	8-729-107-45	TRANSISTOR	2SC3624A-T1L15L16
Q609	8-729-900-53	TRANSISTOR	DTC114EKA-T146
Q610	8-729-027-23	TRANSISTOR	DTA114EKA-T146
Q611	8-729-027-23	TRANSISTOR	DTA114EKA-T146
Q612	8-729-027-23	TRANSISTOR	DTA114EKA-T146
Q613	8-729-027-23	TRANSISTOR	DTA114EKA-T146
Q614	8-729-027-23	TRANSISTOR	DTA114EKA-T146
Q615	8-729-027-23	TRANSISTOR	DTA114EKA-T146
Q616	8-729-027-23	TRANSISTOR	DTA114EKA-T146
Q617	8-729-027-23	TRANSISTOR	DTA114EKA-T146
Q618	8-729-027-23	TRANSISTOR	DTA114EKA-T146
Q691	8-729-027-23	TRANSISTOR	DTA114EKA-T146
Q692	1-801-806-11	TRANSISTOR	DTC144EKA-T146
Q901	8-729-049-79	TRANSISTOR	RT1P137S-TP
Q902	8-729-027-31	TRANSISTOR	DTA124EKA-T146
Q903	8-729-049-80	TRANSISTOR	RTIN137S-TP
Q904	8-729-901-00	TRANSISTOR	DTC124EKA-T146
Q905	8-729-600-22	TRANSISTOR	2SA1235TP-1EF
Q906	8-729-027-44	TRANSISTOR	DTC114TKA-T146
Q910	8-729-049-79	TRANSISTOR	RT1P137S-TP
Q911	8-729-901-00	TRANSISTOR	DTC124EKA-T146
Q912	8-729-900-53	TRANSISTOR	DTC114EKA-T146
Q913	8-729-040-20	TRANSISTOR	RT1P137L-TP
Q941	8-729-111-29	TRANSISTOR	2SD1616A-TP-LK
Q942	8-729-600-22	TRANSISTOR	2SA1235TP-1EF
		< RESISTOR >	
R101	1-216-073-00	METAL CHIP	10K 5% 1/10W
R102	1-216-073-00	METAL CHIP	10K 5% 1/10W
R103	1-216-073-00	METAL CHIP	10K 5% 1/10W
R104	1-216-121-00	RES-CHIP	1M 5% 1/10W
R105	1-216-113-00	METAL CHIP	470K 5% 1/10W
R106	1-216-081-00	METAL CHIP	22K 5% 1/10W
R107	1-216-053-00	METAL CHIP	1.5K 5% 1/10W
R109	1-216-057-00	METAL CHIP	2.2K 5% 1/10W
R110	1-216-097-00	RES-CHIP	100K 5% 1/10W
R111	1-216-089-00	RES-CHIP	47K 5% 1/10W
R112	1-216-073-00	METAL CHIP	10K 5% 1/10W
R121	1-216-025-00	RES-CHIP	100 5% 1/10W
R122	1-216-025-00	RES-CHIP	100 5% 1/10W
R123	1-216-025-00	RES-CHIP	100 5% 1/10W
R124	1-216-073-00	METAL CHIP	10K 5% 1/10W
R131	1-216-057-00	METAL CHIP	2.2K 5% 1/10W
R132	1-216-049-11	RES-CHIP	1K 5% 1/10W
R133	1-216-097-00	RES-CHIP	100K 5% 1/10W
R134	1-216-073-00	METAL CHIP	10K 5% 1/10W
R135	1-216-097-00	RES-CHIP	100K 5% 1/10W (EA, MY, SP, HK, TH, TW, CH)
R136	1-216-073-00	METAL CHIP	10K 5% 1/10W (EA, MY, SP, HK, TH, TW, CH)
R137	1-216-174-00	RES-CHIP	100 5% 1/8W (EA, MY, SP, HK, TH, TW, CH)
R141	1-216-049-11	RES-CHIP	1K 5% 1/10W
R142	1-216-097-00	RES-CHIP	100K 5% 1/10W
R143	1-216-071-00	METAL CHIP	8.2K 5% 1/10W
R144	1-216-077-00	RES-CHIP	15K 5% 1/10W
R145	1-216-049-11	RES-CHIP	1K 5% 1/10W

MAIN

Ref. No.	Part No.	Description			Remark
R146	1-216-097-00	RES-CHIP	100K	5%	1/10W
R151	1-216-073-00	METAL CHIP	10K	5%	1/10W
R152	1-216-073-00	METAL CHIP	10K	5%	1/10W
R153	1-216-073-00	METAL CHIP	10K	5%	1/10W
R154	1-216-121-00	RES-CHIP	1M	5%	1/10W
R155	1-216-113-00	METAL CHIP	470K	5%	1/10W
R156	1-216-081-00	METAL CHIP	22K	5%	1/10W
R157	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R159	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R160	1-216-097-00	RES-CHIP	100K	5%	1/10W
R161	1-216-089-00	RES-CHIP	47K	5%	1/10W
R162	1-216-073-00	METAL CHIP	10K	5%	1/10W
R181	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R182	1-216-097-00	RES-CHIP	100K	5%	1/10W
R183	1-216-097-00	RES-CHIP	100K	5%	1/10W
R191	1-216-049-11	RES-CHIP	1K	5%	1/10W
R192	1-216-097-00	RES-CHIP	100K	5%	1/10W
R193	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R194	1-216-077-00	RES-CHIP	15K	5%	1/10W
R195	1-216-049-11	RES-CHIP	1K	5%	1/10W
R196	1-216-097-00	RES-CHIP	100K	5%	1/10W
R201	1-216-089-00	RES-CHIP	47K	5%	1/10W
R202	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R203	1-216-073-00	METAL CHIP	10K	5%	1/10W
R204	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R205	1-216-097-00	RES-CHIP	100K	5%	1/10W
R206	1-216-073-00	METAL CHIP	10K	5%	1/10W
R207	1-216-089-00	RES-CHIP	47K	5%	1/10W
R208	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R209	1-216-073-00	METAL CHIP	10K	5%	1/10W
R210	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R211	1-216-097-00	RES-CHIP	100K	5%	1/10W
R212	1-216-073-00	METAL CHIP	10K	5%	1/10W
R213	1-216-089-00	RES-CHIP	47K	5%	1/10W
R214	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R215	1-216-073-00	METAL CHIP	10K	5%	1/10W
R216	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R217	1-216-097-00	RES-CHIP	100K	5%	1/10W
R218	1-216-073-00	METAL CHIP	10K	5%	1/10W
R219	1-216-089-00	RES-CHIP	47K	5%	1/10W
R220	1-216-073-00	METAL CHIP	10K	5%	1/10W
R221	1-216-073-00	METAL CHIP	10K	5%	1/10W
R222	1-216-025-00	RES-CHIP	100	5%	1/10W
R223	1-216-025-00	RES-CHIP	100	5%	1/10W
R224	1-216-025-00	RES-CHIP	100	5%	1/10W
R225	1-216-109-00	METAL CHIP	330K	5%	1/10W
R226	1-216-089-00	RES-CHIP	47K	5%	1/10W
R227	1-216-094-00	RES-CHIP	75K	5%	1/10W
R228	1-216-089-00	RES-CHIP	47K	5%	1/10W
R229	1-216-094-00	RES-CHIP	75K	5%	1/10W
R230	1-216-101-00	METAL CHIP	150K	5%	1/10W
R231	1-216-101-00	METAL CHIP	150K	5%	1/10W
R232	1-216-097-00	RES-CHIP	100K	5%	1/10W
R233	1-216-097-00	RES-CHIP	100K	5%	1/10W
R234	1-216-097-00	RES-CHIP	100K	5%	1/10W
R235	1-216-097-00	RES-CHIP	100K	5%	1/10W
R301	1-216-085-00	METAL CHIP	33K	5%	1/10W
R302	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R303	1-216-025-00	RES-CHIP	100	5%	1/10W
R304	1-216-025-00	RES-CHIP	100	5%	1/10W
R305	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R306	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R307	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R308	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R309	1-216-081-00	METAL CHIP	22K	5%	1/10W
R311	1-216-121-00	RES-CHIP	1M	5%	1/10W
R312	1-216-102-00	RES-CHIP	160K	5%	1/10W
R313	1-216-097-00	RES-CHIP	100K	5%	1/10W
R315	1-216-073-00	METAL CHIP	10K	5%	1/10W
R316	1-216-086-00	RES-CHIP	36K	5%	1/10W
R317	1-216-073-00	METAL CHIP	10K	5%	1/10W
R318	1-216-073-00	METAL CHIP	10K	5%	1/10W
R319	1-216-111-00	METAL CHIP	390K	5%	1/10W
R320	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R321	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R323	1-216-089-00	RES-CHIP	47K	5%	1/10W
R324	1-216-089-00	RES-CHIP	47K	5%	1/10W
R351	1-216-085-00	METAL CHIP	33K	5%	1/10W
R352	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R353	1-216-025-00	RES-CHIP	100	5%	1/10W
R354	1-216-025-00	RES-CHIP	100	5%	1/10W
R355	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R356	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R357	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R358	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R359	1-216-085-00	METAL CHIP	33K	5%	1/10W
R360	1-216-045-00	METAL CHIP	680	5%	1/10W
R361	1-216-051-00	METAL CHIP	1.2K	5%	1/10W
R363	1-216-051-00	METAL CHIP	1.2K	5%	1/10W
R364	1-216-045-00	METAL CHIP	680	5%	1/10W
R366	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R367	1-216-089-00	RES-CHIP	47K	5%	1/10W
R368	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R369	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R371	1-216-238-91	RES-CHIP	47K	5%	1/8W
R372	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R373	1-216-049-11	RES-CHIP	1K	5%	1/10W
R374	1-216-089-00	RES-CHIP	47K	5%	1/10W
R375	1-216-094-00	RES-CHIP	75K	5%	1/10W
R376	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R377	1-216-089-00	RES-CHIP	47K	5%	1/10W
R378	1-216-094-00	RES-CHIP	75K	5%	1/10W
R404	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R406	1-216-025-00	RES-CHIP	100	5%	1/10W
R408	1-216-025-00	RES-CHIP	100	5%	1/10W
R409	1-216-073-00	METAL CHIP	10K	5%	1/10W
R411	1-216-109-00	METAL CHIP	330K	5%	1/10W
R412	1-216-025-00	RES-CHIP	100	5%	1/10W
R413	1-216-295-00	SHORT	0		
R416	1-216-073-00	METAL CHIP	10K	5%	1/10W
R417	1-216-073-00	METAL CHIP	10K	5%	1/10W
R418	1-216-025-00	RES-CHIP	100	5%	1/10W
R420	1-216-025-00	RES-CHIP	100	5%	1/10W (AEP, UK)

Ref. No.	Part No.	Description			Remark
R421	1-216-025-00	RES-CHIP	100	5%	1/10W
					(AEP, UK)
R422	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R423	1-216-025-00	RES-CHIP	100	5%	1/10W
R424	1-216-025-00	RES-CHIP	100	5%	1/10W
R425	1-216-025-00	RES-CHIP	100	5%	1/10W
R426	1-216-025-00	RES-CHIP	100	5%	1/10W
R428	1-216-025-00	RES-CHIP	100	5%	1/10W
R429	1-216-001-00	METAL CHIP	10	5%	1/10W
R430	1-216-001-00	METAL CHIP	10	5%	1/10W
R431	1-216-025-00	RES-CHIP	100	5%	1/10W
R432	1-216-025-00	RES-CHIP	100	5%	1/10W
R433	1-216-025-00	RES-CHIP	100	5%	1/10W
R434	1-216-025-00	RES-CHIP	100	5%	1/10W
R435	1-216-025-00	RES-CHIP	100	5%	1/10W
R436	1-216-073-00	METAL CHIP	10K	5%	1/10W
R437	1-216-073-00	METAL CHIP	10K	5%	1/10W
R438	1-216-049-11	RES-CHIP	1K	5%	1/10W
R439	1-216-073-00	METAL CHIP	10K	5%	1/10W
R440	1-216-222-00	RES-CHIP	10K	5%	1/8W
R446	1-216-025-00	RES-CHIP	100	5%	1/10W
R447	1-216-025-00	RES-CHIP	100	5%	1/10W
R448	1-216-025-00	RES-CHIP	100	5%	1/10W
R449	1-216-025-00	RES-CHIP	100	5%	1/10W
R450	1-216-025-00	RES-CHIP	100	5%	1/10W
R451	1-216-174-00	RES-CHIP	100	5%	1/8W
R452	1-216-174-00	RES-CHIP	100	5%	1/8W
R453	1-216-073-00	METAL CHIP	10K	5%	1/10W
R454	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R455	1-216-073-00	METAL CHIP	10K	5%	1/10W
R463	1-216-025-00	RES-CHIP	100	5%	1/10W
R469	1-216-025-00	RES-CHIP	100	5%	1/10W
R470	1-216-025-00	RES-CHIP	100	5%	1/10W
R471	1-216-174-00	RES-CHIP	100	5%	1/8W
R472	1-216-025-00	RES-CHIP	100	5%	1/10W
R475	1-216-025-00	RES-CHIP	100	5%	1/10W
R476	1-216-025-00	RES-CHIP	100	5%	1/10W
R477	1-216-025-00	RES-CHIP	100	5%	1/10W
R478	1-216-025-00	RES-CHIP	100	5%	1/10W
R481	1-216-025-00	RES-CHIP	100	5%	1/10W
R482	1-216-025-00	RES-CHIP	100	5%	1/10W
R483	1-216-025-00	RES-CHIP	100	5%	1/10W
R484	1-216-025-00	RES-CHIP	100	5%	1/10W
R485	1-216-025-00	RES-CHIP	100	5%	1/10W
R486	1-216-025-00	RES-CHIP	100	5%	1/10W
R487	1-216-025-00	RES-CHIP	100	5%	1/10W
R488	1-216-073-00	METAL CHIP	10K	5%	1/10W
R489	1-216-025-00	RES-CHIP	100	5%	1/10W
R490	1-216-025-00	RES-CHIP	100	5%	1/10W
R491	1-216-025-00	RES-CHIP	100	5%	1/10W
R492	1-216-089-00	RES-CHIP	47K	5%	1/10W
R493	1-216-073-00	METAL CHIP	10K	5%	1/10W
					(US, CND)
R493	1-216-085-00	METAL CHIP	33K	5%	1/10W
					(AEP, UK)
R493	1-216-089-00	RES-CHIP	47K	5%	1/10W
			(EXCEPT US, CND, AEP, UK)		
R494	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
			(EA, MY, SP, HK, TH, TW, CH)		
R494	1-216-081-00	METAL CHIP	22K	5%	1/10W
					(E, MX, AR)
R494	1-126-085-00	METAL CHIP	33K	5%	1/10W
					(AUS)
R494	1-216-089-00	RES-CHIP	47K	5%	1/10W
					(US, CND, AEP, UK)
R495	1-216-025-00	RES-CHIP	100	5%	1/10W
R501	1-216-073-00	METAL CHIP	10K	5%	1/10W
R502	1-216-089-00	RES-CHIP	47K	5%	1/10W
R503	1-216-089-00	RES-CHIP	47K	5%	1/10W
R504	1-216-025-00	RES-CHIP	100	5%	1/10W
R505	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R506	1-216-041-00	METAL CHIP	470	5%	1/10W
R521	1-216-222-00	RES-CHIP	10K	5%	1/8W
R522	1-216-222-00	RES-CHIP	10K	5%	1/8W
R523	1-216-222-00	RES-CHIP	10K	5%	1/8W
R524	1-216-222-00	RES-CHIP	10K	5%	1/8W
R525	1-216-073-00	METAL CHIP	10K	5%	1/10W
R526	1-216-073-00	METAL CHIP	10K	5%	1/10W
R527	1-216-073-00	METAL CHIP	10K	5%	1/10W
R528	1-216-073-00	METAL CHIP	10K	5%	1/10W
R529	1-216-073-00	METAL CHIP	10K	5%	1/10W
R530	1-216-073-00	METAL CHIP	10K	5%	1/10W
R531	1-216-073-00	METAL CHIP	10K	5%	1/10W
R601	1-216-049-11	RES-CHIP	1K	5%	1/10W
R602	1-216-049-11	RES-CHIP	1K	5%	1/10W
R603	1-216-049-11	RES-CHIP	1K	5%	1/10W
R604	1-216-049-11	RES-CHIP	1K	5%	1/10W
R605	1-216-097-00	RES-CHIP	100K	5%	1/10W
R606	1-216-097-00	RES-CHIP	100K	5%	1/10W
R607	1-216-295-00	SHORT	0		
R608	1-216-295-00	SHORT	0		
R611	1-216-077-00	RES-CHIP	15K	5%	1/10W
R612	1-216-077-00	RES-CHIP	15K	5%	1/10W
R613	1-216-073-00	METAL CHIP	10K	5%	1/10W
R614	1-216-073-00	METAL CHIP	10K	5%	1/10W
R615	1-216-097-00	RES-CHIP	100K	5%	1/10W
R616	1-216-097-00	RES-CHIP	100K	5%	1/10W
R617	1-216-049-11	RES-CHIP	1K	5%	1/10W
R618	1-216-049-11	RES-CHIP	1K	5%	1/10W
R619	1-216-049-11	RES-CHIP	1K	5%	1/10W
R620	1-216-049-11	RES-CHIP	1K	5%	1/10W
R621	1-216-097-00	RES-CHIP	100K	5%	1/10W
R622	1-216-097-00	RES-CHIP	100K	5%	1/10W
R623	1-216-056-00	RES-CHIP	2K	5%	1/10W
R624	1-216-056-00	RES-CHIP	2K	5%	1/10W
R625	1-216-058-00	RES-CHIP	2.4K	5%	1/10W
R626	1-216-058-00	RES-CHIP	2.4K	5%	1/10W
R627	1-216-077-00	RES-CHIP	15K	5%	1/10W
R628	1-216-077-00	RES-CHIP	15K	5%	1/10W
R629	1-216-073-00	METAL CHIP	10K	5%	1/10W
R630	1-216-073-00	METAL CHIP	10K	5%	1/10W
R631	1-216-097-00	RES-CHIP	100K	5%	1/10W
R632	1-216-097-00	RES-CHIP	100K	5%	1/10W
R633	1-216-049-11	RES-CHIP	1K	5%	1/10W
R634	1-216-049-11	RES-CHIP	1K	5%	1/10W
R635	1-216-049-11	RES-CHIP	1K	5%	1/10W
R636	1-216-049-11	RES-CHIP	1K	5%	1/10W

MAIN **MB**

Ref. No.	Part No.	Description			Remark
R637	1-216-097-00	RES-CHIP	100K	5%	1/10W
R638	1-216-097-00	RES-CHIP	100K	5%	1/10W
R639	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R640	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R641	1-216-058-00	RES-CHIP	2.4K	5%	1/10W
R642	1-216-058-00	RES-CHIP	2.4K	5%	1/10W
R643	1-216-077-00	RES-CHIP	15K	5%	1/10W
R644	1-216-077-00	RES-CHIP	15K	5%	1/10W
R645	1-216-073-00	METAL CHIP	10K	5%	1/10W
R646	1-216-073-00	METAL CHIP	10K	5%	1/10W
R647	1-216-097-00	RES-CHIP	100K	5%	1/10W
R648	1-216-097-00	RES-CHIP	100K	5%	1/10W
R649	1-216-049-11	RES-CHIP	1K	5%	1/10W
R650	1-216-049-11	RES-CHIP	1K	5%	1/10W
R651	1-216-049-11	RES-CHIP	1K	5%	1/10W
R652	1-216-049-11	RES-CHIP	1K	5%	1/10W
R653	1-216-097-00	RES-CHIP	100K	5%	1/10W
R654	1-216-097-00	RES-CHIP	100K	5%	1/10W
R655	1-216-079-00	METAL CHIP	18K	5%	1/10W
R656	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R657	1-216-055-00	METAL CHIP	1.8K	5%	1/10W
R658	1-216-058-00	RES-CHIP	2.4K	5%	1/10W
R659	1-216-077-00	RES-CHIP	15K	5%	1/10W
R660	1-216-077-00	RES-CHIP	15K	5%	1/10W
R661	1-216-077-00	RES-CHIP	15K	5%	1/10W
R662	1-216-073-00	METAL CHIP	10K	5%	1/10W
R663	1-216-097-00	RES-CHIP	100K	5%	1/10W
R664	1-216-097-00	RES-CHIP	100K	5%	1/10W
R665	1-216-097-00	RES-CHIP	100K	5%	1/10W
R666	1-216-089-00	RES-CHIP	47K	5%	1/10W
R667	1-216-097-00	RES-CHIP	100K	5%	1/10W
R668	1-216-089-00	RES-CHIP	47K	5%	1/10W
R669	1-216-097-00	RES-CHIP	100K	5%	1/10W
R670	1-216-089-00	RES-CHIP	47K	5%	1/10W
R671	1-216-097-00	RES-CHIP	100K	5%	1/10W
R672	1-216-089-00	RES-CHIP	47K	5%	1/10W
R673	1-216-097-00	RES-CHIP	100K	5%	1/10W
R674	1-216-089-00	RES-CHIP	47K	5%	1/10W
R675	1-216-097-00	RES-CHIP	100K	5%	1/10W
R676	1-216-089-00	RES-CHIP	47K	5%	1/10W
R677	1-216-097-00	RES-CHIP	100K	5%	1/10W
R678	1-216-089-00	RES-CHIP	47K	5%	1/10W
R679	1-216-097-00	RES-CHIP	100K	5%	1/10W
R680	1-216-073-00	METAL CHIP	10K	5%	1/10W
R681	1-216-097-00	RES-CHIP	100K	5%	1/10W
R682	1-216-073-00	METAL CHIP	10K	5%	1/10W
R690	1-216-073-00	METAL CHIP	10K	5%	1/10W
R691	1-216-021-00	METAL CHIP	68	5%	1/10W
R692	1-216-021-00	METAL CHIP	68	5%	1/10W
R693	1-216-021-00	METAL CHIP	68	5%	1/10W
R694	1-216-073-00	METAL CHIP	10K	5%	1/10W
R695	1-216-073-00	METAL CHIP	10K	5%	1/10W
R901	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R902	1-216-081-00	METAL CHIP	22K	5%	1/10W
R903	1-216-049-11	RES-CHIP	1K	5%	1/10W
R941	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R942	1-216-097-00	RES-CHIP	100K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R943	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
		< VARIABLE RESISTOR >			
RV301	1-238-600-11	RES, ADJ, CARBON 10K			
RV351	1-238-600-11	RES, ADJ, CARBON 10K			
		< VIBRATOR >			
X401	1-567-098-41	VIBRATOR, CRYSTAL (32.768kHz)			
X402	1-781-107-21	VIBRATOR, CERAMIC (16MHz)			
**********					
	A-4473-709-A	MB BOARD, COMPLETE (TH)			
	A-4473-710-A	MB BOARD, COMPLETE (US, CND)			
	A-4473-711-A	MB BOARD, COMPLETE (AEP, UK)			
	A-4473-712-A	MB BOARD, COMPLETE (E, MX, AR)			
	A-4473-713-A	MB BOARD, COMPLETE (EA)			
	A-4473-714-A	MB BOARD, COMPLETE (MY, SP, HK, TW)			
	A-4473-715-A	MB BOARD, COMPLETE (AUS)			
	A-4473-861-A	MB BOARD, COMPLETE (CH)			
		**********			
		< CAPACITOR >			
C001	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C002	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C003	1-126-246-11	ELECT CHIP	220uF	20%	4V
C004	1-126-204-11	ELECT CHIP	47uF	20%	16V
C005	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C007	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C008	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C010	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C011	1-125-822-11	TANTALUM	10uF	20%	10V
C012	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C013	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C015	1-126-246-11	ELECT CHIP	220uF	20%	4V
C016	1-125-822-11	TANTALUM	10uF	20%	10V
C017	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C018	1-125-822-11	TANTALUM	10uF	20%	10V
C019	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C201	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C202	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C203	1-125-822-11	TANTALUM	10uF	20%	10V
C204	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C206	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C209	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C210	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C211	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C212	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C213	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C304	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C307	1-125-822-11	TANTALUM	10uF	20%	10V
C309	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C310	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C312	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C313	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C314	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C315	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C316	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C317	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V

Ref. No.	Part No.	Description			Remark
C318	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C319	1-125-822-11	TANTALUM	10uF	20%	10V
C320	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C321	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C322	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C323	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C324	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C325	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C327	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C328	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C329	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C331	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C333	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C334	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C337	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C338	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C339	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C341	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C343	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C344	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C401	1-125-822-11	TANTALUM	10uF	20%	10V
C402	1-126-209-11	ELECT CHIP	100uF	20%	4V
C403	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C404	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C405	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C406	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C408	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C410	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C411	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C413	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C414	1-125-822-11	TANTALUM	10uF	20%	10V
C415	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C416	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C418	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C420	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C422	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C425	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C426	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C428	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C431	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C432	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C433	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C434	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C436	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C438	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C439	1-125-822-11	TANTALUM	10uF	20%	10V
C440	1-125-822-11	TANTALUM	10uF	20%	10V
C441	1-126-209-11	ELECT CHIP	100uF	20%	4V
C443	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C505	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C506	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C508	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C510	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C512	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C601	1-125-822-11	TANTALUM	10uF	20%	10V
C602	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C603	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C604	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C605	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C606	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C607	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C608	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C701	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C702	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C703	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C704	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C705	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C706	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C707	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C708	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C709	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C710	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C711	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C712	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C713	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C714	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C715	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C717	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C801	1-126-204-11	ELECT CHIP	47uF	20%	16V
C802	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C803	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C805	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C806	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C807	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C808	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C809	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C810	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C812	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C813	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C814	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C815	1-110-666-11	ELECT CHIP	22uF	20%	6.3V
C818	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C819	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C820	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C821	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C822	1-126-204-11	ELECT CHIP	47uF	20%	16V
C823	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C824	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C825	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C830	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C831	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C832	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C833	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C834	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C835	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C836	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C837	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C904	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C905	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C906	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C907	1-125-822-11	TANTALUM	10uF	20%	10V
C908	1-128-391-11	ELECT CHIP	330uF	20%	6.3V
C909	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C910	1-125-822-11	TANTALUM	10uF	20%	10V
C911	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V

Ref. No.	Part No.	Description			Remark
C913	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C914	1-125-822-11	TANTALUM	10uF	20%	10V
C916	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C922	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C923	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C924	1-125-822-11	TANTALUM	10uF	20%	10V
C925	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C926	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C927	1-125-822-11	TANTALUM	10uF	20%	10V
C928	1-128-391-11	ELECT CHIP	330uF	20%	6.3V
C929	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C931	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C932	1-125-822-11	TANTALUM	10uF	20%	10V
C933	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C934	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C935	1-125-822-11	TANTALUM	10uF	20%	10V
C937	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C939	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C940	1-125-822-11	TANTALUM	10uF	20%	10V
		< CONNECTOR >			
CN001	1-794-606-21	PIN, CONNECTOR (PC BPARD 9P			
CN002	1-793-990-11	CONNECTOR, FFC/FPC 18P			
CN003	1-793-990-11	CONNECTOR, FFC/FPC 18P			
CN005	1-793-991-11	CONNECTOR, FFC/FPC 23P			
CN006	1-793-988-11	CONNECTOR, FFC/FPC 10P			
CN007	1-793-989-11	CONNECTOR, FFC/FPC 13P			
CN009	1-793-806-11	CONNECTOR, FFC/FPC 17P			
CN010	1-793-687-11	PIN, CONNECTOR (1.5mm) (SMD) 5P			
CN012	1-793-687-31	PIN, CONNECTOR (1.5mm) (SMD) 5P			
* CN013	1-569-775-21	PIN, CONNECTOR (SMD) 5P			
		< DIODE >			
D701	8-719-988-61	DIODE 1SS355TE-17			
D801	8-719-941-09	DIODE DAP202UT106			
D802	8-719-988-61	DIODE 1SS355TE-17			
D803	8-719-941-09	DIODE DAP202UT106			
D804	8-719-941-86	DIODE DAN202UT106			
D805	8-719-941-86	DIODE DAN202UT106			
D806	8-719-988-61	DIODE 1SS355TE-17			
D807	8-719-988-61	DIODE 1SS355TE-17			
		< FERRITE BEAD/RESISTOR >			
FB001	1-469-324-21	FERRITE	0uH		
FB002	1-469-324-21	FERRITE	0uH		
FB003	1-469-324-21	FERRITE	0uH		
FB004	1-469-324-21	FERRITE	0uH		
FB005	1-469-324-21	FERRITE	0uH		
FB006	1-469-324-21	FERRITE	0uH		
FB007	1-469-324-21	FERRITE	0uH		
FB008	1-469-324-21	FERRITE	0uH		
FB014	1-469-116-21	FERRITE	0uH		
FB015	1-469-116-21	FERRITE	0uH		
FB016	1-216-801-11	METAL CHIP	22	5%	1/16W
FB017	1-469-116-21	FERRITE	0uH		
FB018	1-469-116-21	FERRITE	0uH		
FB019	1-469-116-21	FERRITE	0uH		
FB022	1-469-116-21	FERRITE	0uH		

Ref. No.	Part No.	Description			Remark
FB023	1-469-116-21	FERRITE	0uH		
FB024	1-469-116-21	FERRITE	0uH		
FB026	1-469-116-21	FERRITE	0uH		
FB028	1-469-116-21	FERRITE	0uH		
FB030	1-469-116-21	FERRITE	0uH		
FB032	1-469-116-21	FERRITE	0uH		
FB035	1-469-116-21	FERRITE	0uH		
FB037	1-469-116-21	FERRITE	0uH		
FB040	1-469-116-21	FERRITE	0uH		
FB043	1-500-283-11	FERRITE	0uH		
FB047	1-469-116-21	FERRITE	0uH		
FB055	1-500-283-11	FERRITE	0uH		
FB056	1-500-283-11	FERRITE	0uH		
FB058	1-500-283-11	FERRITE	0uH		
FB060	1-500-283-11	FERRITE	0uH		
FB061	1-469-116-21	FERRITE	0uH		
FB063	1-469-116-21	FERRITE	0uH		
FB065	1-469-116-21	FERRITE	0uH		
FB067	1-469-116-21	FERRITE	0uH		
FB069	1-469-116-21	FERRITE	0uH		
FB071	1-469-116-21	FERRITE	0uH		
FB073	1-469-116-21	FERRITE	0uH		
FB075	1-469-116-21	FERRITE	0uH		
FB077	1-469-116-21	FERRITE	0uH		
FB078	1-216-801-11	METAL CHIP	22	5%	1/16W
FB080	1-216-801-11	METAL CHIP	22	5%	1/16W
FB081	1-216-801-11	METAL CHIP	22	5%	1/16W
FB083	1-216-801-11	METAL CHIP	22	5%	1/16W
FB084	1-216-801-11	METAL CHIP	22	5%	1/16W
FB085	1-216-801-11	METAL CHIP	22	5%	1/16W
FB087	1-216-801-11	METAL CHIP	22	5%	1/16W
FB088	1-216-801-11	METAL CHIP	22	5%	1/16W
FB090	1-469-116-21	FERRITE	0uH		
FB105	1-469-324-21	FERRITE	0uH		
FB106	1-469-324-21	FERRITE	0uH		
FB110	1-469-116-21	FERRITE	0uH		
		< FILTER >			
FL001	1-234-177-21	FILTER, CHIP EMI			
FL002	1-234-177-21	FILTER, CHIP EMI			
FL003	1-233-893-21	FILTER, CHIP EMI			
FL004	1-233-893-21	FILTER, CHIP EMI			
FL005	1-234-177-21	FILTER, CHIP EMI			
FL006	1-234-177-21	FILTER, CHIP EMI			
FL008	1-234-177-21	FILTER, CHIP EMI			
FL009	1-234-177-21	FILTER, CHIP EMI			
FL010	1-234-177-21	FILTER, CHIP EMI			
FL011	1-234-177-21	FILTER, CHIP EMI			
FL013	1-233-893-21	FILTER, CHIP EMI			
FL014	1-234-177-21	FILTER, CHIP EMI			
FL015	1-234-177-21	FILTER, CHIP EMI			
FL016	1-234-177-21	FILTER, CHIP EMI			
FL202	1-234-177-21	FILTER, CHIP EMI			
FL203	1-234-177-21	FILTER, CHIP EMI			
FL204	1-234-177-21	FILTER, CHIP EMI			
FL205	1-234-177-21	FILTER, CHIP EMI			
FL301	1-234-177-21	FILTER, CHIP EMI			

Ref. No.	Part No.	Description	Remark
FL302	1-234-177-21	FILTER, CHIP EMI	
FL303	1-234-177-21	FILTER, CHIP EMI	
FL401	1-234-177-21	FILTER, CHIP EMI	
FL402	1-234-177-21	FILTER, CHIP EMI	
FL403	1-234-177-21	FILTER, CHIP EMI	
FL404	1-234-177-21	FILTER, CHIP EMI	
FL405	1-234-177-21	FILTER, CHIP EMI	
FL502	1-234-177-21	FILTER, CHIP EMI	
FL601	1-234-177-21	FILTER, CHIP EMI	
FL602	1-234-177-21	FILTER, CHIP EMI	
FL701	1-234-177-21	FILTER, CHIP EMI	
FL904	1-234-177-21	FILTER, CHIP EMI	
		< IC >	
IC001	8-759-567-31	IC PLL1700E/2K	
IC003	8-759-531-92	IC TC7WH04FU (TE12R)	
IC004	8-759-531-92	IC TC7WH04FU (TE12R)	
IC005	8-759-486-55	IC NJM2370U33-TE2	
IC201	8-759-362-00	IC BR9040F-E2	
IC202	8-759-599-39	IC MB91101APFV-G-BND	
IC203	8-759-645-76	IC TC74VHCT32AFT	
IC204	8-759-573-65	IC IDT71V016S20PHAU-TL	
IC206	8-759-680-32	IC MR27V1602D-D6MAZ060 (AEP, UK)	
IC206	8-759-680-33	IC MR27V1602D-D4MAZ060 (US, CND, E, EA, MX, AR, AUS)	
IC206	8-759-680-34	IC MR27V1602D-D5MAZ060 (MY, SP, HK, TH, TW, CH)	
IC207	8-759-427-92	IC PST9126NL	
IC302	8-759-486-55	IC NJM2370U33-TE2	
IC303	8-759-567-27	IC CXD8784R	
IC304	8-759-643-10	IC GM71V18160CT-6TR	
IC401	8-752-398-60	IC CXD1930BQ	
IC402	8-759-567-34	IC HY57V161610DTC-7TR	
IC403	8-759-567-34	IC HY57V161610DTC-7TR	
IC404	8-759-486-55	IC NJM2370U33-TE2	
IC501	8-752-400-43	IC CXD1901AR	
IC601	8-759-567-30	IC CXD8788Q	
IC701	8-759-598-87	IC CXD8791AQ	
IC702	8-759-337-40	IC NJM2904V (TE2)	
IC801	8-759-522-13	IC BA5981FP-E2	
IC802	8-759-567-26	IC BA5983FP-E2	
IC803	8-759-338-78	IC BA10324AFV-E2	
IC902	8-759-572-26	IC CXD8799N-T2	
IC904	8-759-052-52	IC BA178M05FP-E2	
IC905	8-759-572-26	IC CXD8799N-T2	
IC906	8-759-572-26	IC CXD8799N-T2	
IC907	8-759-572-26	IC CXD8799N-T2	
		< RESISTOR >	
JW001	1-216-864-11	METAL CHIP 0 5% 1/16W (US, CND)	
JW002	1-216-864-11	METAL CHIP 0 5% 1/16W (E, MX, AR)	
JW003	1-216-864-11	METAL CHIP 0 5% 1/16W (AEP, UK)	
JW004	1-216-864-11	METAL CHIP 0 5% 1/16W (EA)	
JW005	1-216-864-11	METAL CHIP 0 5% 1/16W (AUS)	
JW006	1-216-864-11	METAL CHIP 0 5% 1/16W (MY, SP, HK, TH, TW)	
JW007	1-216-864-11	METAL CHIP 0 5% 1/16W (CH)	
		< COIL >	
L001	1-414-754-11	INDUCTOR 10uH	
L402	1-414-754-11	INDUCTOR 10uH	
		< TRANSISTOR >	
Q801	8-729-028-73	TRANSISTOR DTA114EUA-T106	
		< RESISTOR >	
R001	1-216-833-11	RES-CHIP 10K 5% 1/16W	
R002	1-216-833-11	RES-CHIP 10K 5% 1/16W	
R003	1-216-833-11	RES-CHIP 10K 5% 1/16W	
R004	1-216-821-11	METAL CHIP 1K 5% 1/16W	
R005	1-216-821-11	METAL CHIP 1K 5% 1/16W	
R006	1-216-821-11	METAL CHIP 1K 5% 1/16W	
R007	1-216-833-11	RES-CHIP 10K 5% 1/16W	
R009	1-216-864-11	METAL CHIP 0 5% 1/16W	
R010	1-216-801-11	METAL CHIP 22 5% 1/16W	
R011	1-216-829-11	METAL CHIP 4.7K 5% 1/16W	
R013	1-216-833-11	RES-CHIP 10K 5% 1/16W	
R014	1-216-801-11	METAL CHIP 22 5% 1/16W	
R035	1-216-821-11	METAL CHIP 1K 5% 1/16W	
R036	1-216-821-11	METAL CHIP 1K 5% 1/16W	
R037	1-216-825-11	METAL CHIP 2.2K 5% 1/16W	
R038	1-216-829-11	METAL CHIP 4.7K 5% 1/16W	
R039	1-216-821-11	METAL CHIP 1K 5% 1/16W	
R041	1-216-821-11	METAL CHIP 1K 5% 1/16W	
R042	1-216-821-11	METAL CHIP 1K 5% 1/16W	
R044	1-216-809-11	METAL CHIP 100 5% 1/16W	
R048	1-216-821-11	METAL CHIP 1K 5% 1/16W	
R049	1-216-821-11	METAL CHIP 1K 5% 1/16W	
R050	1-216-821-11	METAL CHIP 1K 5% 1/16W	
R053	1-216-833-11	RES-CHIP 10K 5% 1/16W	
R202	1-216-801-11	METAL CHIP 22 5% 1/16W	
R203	1-216-833-11	RES-CHIP 10K 5% 1/16W	
R204	1-216-833-11	RES-CHIP 10K 5% 1/16W	
R205	1-216-845-11	METAL CHIP 100K 5% 1/16W	
R206	1-216-845-11	METAL CHIP 100K 5% 1/16W	
R207	1-216-833-11	RES-CHIP 10K 5% 1/16W	
R212	1-216-864-11	METAL CHIP 0 5% 1/16W	
R213	1-216-801-11	METAL CHIP 22 5% 1/16W	
R217	1-216-833-11	RES-CHIP 10K 5% 1/16W	
R222	1-216-833-11	RES-CHIP 10K 5% 1/16W	
R223	1-216-833-11	RES-CHIP 10K 5% 1/16W	
R225	1-216-833-11	RES-CHIP 10K 5% 1/16W	
R227	1-216-813-11	METAL CHIP 220 5% 1/16W	
R228	1-216-813-11	METAL CHIP 220 5% 1/16W	
R229	1-216-813-11	METAL CHIP 220 5% 1/16W	
R230	1-216-813-11	METAL CHIP 220 5% 1/16W	
R231	1-216-813-11	METAL CHIP 220 5% 1/16W	
R232	1-216-813-11	METAL CHIP 220 5% 1/16W	

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Ref. No.	Part No.	Description			Remark
R235	1-216-864-11	METAL CHIP	0	5%	1/16W
R237	1-216-216-00	RES-CHIP	5.6K	5%	1/8W
					(MY, SP, HK, TH, TW, CH)
R237	1-216-220-00	RES-CHIP	8.2K	5%	1/8W
					(AUS)
R237	1-216-230-00	RES-CHIP	22K	5%	1/8W
					(AEP, UK, EA)
R237	1-216-238-91	RES-CHIP	47K	5%	1/8W
					(E, MX, AR)
R238	1-216-238-91	RES-CHIP	47K	5%	1/8W
R239	1-216-220-00	RES-CHIP	8.2K	5%	1/8W
					(CH)
R239	1-216-230-00	RES-CHIP	22K	5%	1/8W
					(E, MX, AR, AUS)
R239	1-216-238-91	RES-CHIP	47K	5%	1/8W
					(MY, SP, HK, TH, TW)
R239	1-216-246-00	RES-CHIP	100K	5%	1/8W
					(AEP, UK, EA)
R240	1-216-246-00	RES-CHIP	100K	5%	1/8W
R241	1-216-238-91	RES-CHIP	47K	5%	1/8W
R242	1-216-833-11	RES-CHIP	10K	5%	1/16W
R243	1-216-833-11	RES-CHIP	10K	5%	1/16W
R244	1-216-833-11	RES-CHIP	10K	5%	1/16W
R305	1-218-879-11	METAL CHIP	22K	0.5%	1/16W
R306	1-218-831-11	METAL CHIP	220	0.5%	1/16W
R307	1-218-883-11	METAL CHIP	33K	0.5%	1/16W
R308	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R309	1-216-838-11	METAL CHIP	27K	5%	1/16W
R310	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R313	1-216-833-11	RES-CHIP	10K	5%	1/16W
R314	1-216-833-11	RES-CHIP	10K	5%	1/16W
R315	1-216-833-11	RES-CHIP	10K	5%	1/16W
R316	1-218-855-11	METAL CHIP	2.2K	0.5%	1/16W
R317	1-218-871-11	METAL CHIP	10K	0.5%	1/16W
R318	1-216-849-11	METAL CHIP	220K	5%	1/16W
R319	1-216-831-11	METAL CHIP	6.8K	5%	1/16W
R320	1-218-853-11	METAL CHIP	1.8K	0.5%	1/16W
R321	1-218-847-11	METAL CHIP	1K	0.5%	1/16W
R322	1-218-871-11	METAL CHIP	10K	0.5%	1/16W
R323	1-216-833-11	RES-CHIP	10K	5%	1/16W
R324	1-216-833-11	RES-CHIP	10K	5%	1/16W
R325	1-216-833-11	RES-CHIP	10K	5%	1/16W
R326	1-216-833-11	RES-CHIP	10K	5%	1/16W
R327	1-216-833-11	RES-CHIP	10K	5%	1/16W
R328	1-216-833-11	RES-CHIP	10K	5%	1/16W
R329	1-216-833-11	RES-CHIP	10K	5%	1/16W
R330	1-216-833-11	RES-CHIP	10K	5%	1/16W
R331	1-216-833-11	RES-CHIP	10K	5%	1/16W
R332	1-216-833-11	RES-CHIP	10K	5%	1/16W
R337	1-216-809-11	METAL CHIP	100	5%	1/16W
R338	1-216-833-11	RES-CHIP	10K	5%	1/16W
R339	1-216-833-11	RES-CHIP	10K	5%	1/16W
R340	1-216-833-11	RES-CHIP	10K	5%	1/16W
R341	1-216-809-11	METAL CHIP	100	5%	1/16W
R403	1-216-833-11	RES-CHIP	10K	5%	1/16W
R404	1-216-864-11	METAL CHIP	0	5%	1/16W
R405	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R406	1-216-822-11	METAL CHIP	1.2K	5%	1/16W
R407	1-216-833-11	RES-CHIP	10K	5%	1/16W

Ref. No.	Part No.	Description			Remark
R409	1-216-864-11	METAL CHIP	0	5%	1/16W
R410	1-216-821-11	METAL CHIP	1K	5%	1/16W
R411	1-216-833-11	RES-CHIP	10K	5%	1/16W
R413	1-216-864-11	METAL CHIP	0	5%	1/16W
R426	1-216-813-11	METAL CHIP	220	5%	1/16W
R427	1-216-813-11	METAL CHIP	220	5%	1/16W
R428	1-216-813-11	METAL CHIP	220	5%	1/16W
R429	1-216-813-11	METAL CHIP	220	5%	1/16W
R430	1-216-813-11	METAL CHIP	220	5%	1/16W
R431	1-216-813-11	METAL CHIP	220	5%	1/16W
R519	1-216-809-11	METAL CHIP	100	5%	1/16W
R520	1-216-833-11	RES-CHIP	10K	5%	1/16W
R521	1-216-833-11	RES-CHIP	10K	5%	1/16W
R522	1-216-833-11	RES-CHIP	10K	5%	1/16W
R527	1-216-833-11	RES-CHIP	10K	5%	1/16W
R528	1-216-833-11	RES-CHIP	10K	5%	1/16W
R530	1-216-864-11	METAL CHIP	0	5%	1/16W
R537	1-216-806-11	RES-CHIP	56	5%	1/16W
R539	1-216-864-11	METAL CHIP	0	5%	1/16W
R540	1-216-864-11	METAL CHIP	0	5%	1/16W
R541	1-216-864-11	METAL CHIP	0	5%	1/16W
R543	1-216-864-11	METAL CHIP	0	5%	1/16W
R544	1-216-864-11	METAL CHIP	0	5%	1/16W
R604	1-216-833-11	RES-CHIP	10K	5%	1/16W
R605	1-216-833-11	RES-CHIP	10K	5%	1/16W
R606	1-216-833-11	RES-CHIP	10K	5%	1/16W
R630	1-216-833-11	RES-CHIP	10K	5%	1/16W
R631	1-216-833-11	RES-CHIP	10K	5%	1/16W
R632	1-216-833-11	RES-CHIP	10K	5%	1/16W
R633	1-216-833-11	RES-CHIP	10K	5%	1/16W
R634	1-216-833-11	RES-CHIP	10K	5%	1/16W
R635	1-216-833-11	RES-CHIP	10K	5%	1/16W
R636	1-216-815-11	METAL CHIP	330	5%	1/16W
R637	1-216-809-11	METAL CHIP	100	5%	1/16W
R638	1-216-809-11	METAL CHIP	100	5%	1/16W
R639	1-216-809-11	METAL CHIP	100	5%	1/16W
R640	1-216-809-11	METAL CHIP	100	5%	1/16W
R641	1-216-809-11	METAL CHIP	100	5%	1/16W
R642	1-216-809-11	METAL CHIP	100	5%	1/16W
R643	1-216-815-11	METAL CHIP	330	5%	1/16W
R647	1-216-833-11	RES-CHIP	10K	5%	1/16W
R701	1-216-805-11	METAL CHIP	47	5%	1/16W
R702	1-216-817-11	METAL CHIP	470	5%	1/16W
R703	1-216-817-11	METAL CHIP	470	5%	1/16W
R704	1-216-817-11	METAL CHIP	470	5%	1/16W
R705	1-216-817-11	METAL CHIP	470	5%	1/16W
R706	1-216-821-11	METAL CHIP	1K	5%	1/16W
R707	1-216-844-11	METAL CHIP	82K	5%	1/16W
R708	1-216-844-11	METAL CHIP	82K	5%	1/16W
R709	1-216-844-11	METAL CHIP	82K	5%	1/16W
R710	1-216-844-11	METAL CHIP	82K	5%	1/16W
R711	1-216-833-11	RES-CHIP	10K	5%	1/16W
R712	1-216-839-11	METAL CHIP	33K	5%	1/16W
R720	1-216-821-11	METAL CHIP	1K	5%	1/16W
R721	1-216-821-11	METAL CHIP	1K	5%	1/16W
R722	1-216-801-11	METAL CHIP	22	5%	1/16W
R748	1-216-833-11	RES-CHIP	10K	5%	1/16W

Ref. No.	Part No.	Description			Remark
R751	1-216-821-11	METAL CHIP	1K	5%	1/16W
R752	1-216-821-11	METAL CHIP	1K	5%	1/16W
R755	1-216-833-11	RES-CHIP	10K	5%	1/16W
R757	1-216-864-11	METAL CHIP	0	5%	1/16W
R758	1-216-864-11	METAL CHIP	0	5%	1/16W
R801	1-216-841-11	METAL CHIP	47K	5%	1/16W
R802	1-216-841-11	METAL CHIP	47K	5%	1/16W
R803	1-216-841-11	METAL CHIP	47K	5%	1/16W
R804	1-216-841-11	METAL CHIP	47K	5%	1/16W
R805	1-216-840-11	METAL CHIP	39K	5%	1/16W
R806	1-216-840-11	METAL CHIP	39K	5%	1/16W
R807	1-216-835-11	METAL CHIP	15K	5%	1/16W
R808	1-216-835-11	METAL CHIP	15K	5%	1/16W
R809	1-216-844-11	METAL CHIP	82K	5%	1/16W
R810	1-216-844-11	METAL CHIP	82K	5%	1/16W
R812	1-216-864-11	METAL CHIP	0	5%	1/16W
R813	1-216-864-11	METAL CHIP	0	5%	1/16W
R815	1-216-836-11	METAL CHIP	18K	5%	1/16W
R816	1-216-845-11	METAL CHIP	100K	5%	1/16W
R817	1-216-852-11	METAL CHIP	390K	5%	1/16W
R818	1-216-852-11	METAL CHIP	390K	5%	1/16W
R819	1-216-849-11	METAL CHIP	220K	5%	1/16W
R820	1-216-851-11	METAL CHIP	330K	5%	1/16W
R821	1-216-840-11	METAL CHIP	39K	5%	1/16W
R822	1-216-845-11	METAL CHIP	100K	5%	1/16W
R823	1-216-833-11	RES-CHIP	10K	5%	1/16W
R824	1-216-833-11	RES-CHIP	10K	5%	1/16W
R825	1-216-830-11	METAL CHIP	5.6K	5%	1/16W
R831	1-216-833-11	RES-CHIP	10K	5%	1/16W
R832	1-216-833-11	RES-CHIP	10K	5%	1/16W
R834	1-216-847-11	METAL CHIP	150K	5%	1/16W
R835	1-216-847-11	METAL CHIP	150K	5%	1/16W
R836	1-216-847-11	METAL CHIP	150K	5%	1/16W
R837	1-216-844-11	METAL CHIP	82K	5%	1/16W
R838	1-216-848-11	METAL CHIP	180K	5%	1/16W
R839	1-216-848-11	METAL CHIP	180K	5%	1/16W
R840	1-216-848-11	METAL CHIP	180K	5%	1/16W
R841	1-216-843-11	METAL CHIP	68K	5%	1/16W
R842	1-216-844-11	METAL CHIP	82K	5%	1/16W
R843	1-216-844-11	METAL CHIP	82K	5%	1/16W
R844	1-216-843-11	METAL CHIP	68K	5%	1/16W
R845	1-216-843-11	METAL CHIP	68K	5%	1/16W
R846	1-216-841-11	METAL CHIP	47K	5%	1/16W
R847	1-216-296-00	SHORT	0		
R851	1-216-833-11	RES-CHIP	10K	5%	1/16W
R852	1-216-833-11	RES-CHIP	10K	5%	1/16W
R853	1-216-833-11	RES-CHIP	10K	5%	1/16W
R854	1-216-833-11	RES-CHIP	10K	5%	1/16W
R855	1-216-834-11	METAL CHIP	12K	5%	1/16W
R856	1-216-836-11	METAL CHIP	18K	5%	1/16W
R857	1-218-899-11	METAL CHIP	150K	0.5%	1/16W
R858	1-218-899-11	METAL CHIP	150K	0.5%	1/16W
R859	1-218-889-11	METAL CHIP	56K	0.5%	1/16W
R860	1-218-889-11	METAL CHIP	56K	0.5%	1/16W
R861	1-216-296-00	SHORT	0		
R864	1-216-138-00	METAL CHIP	3.3	5%	1/8W
R867	1-216-833-11	RES-CHIP	10K	5%	1/16W
R868	1-216-833-11	RES-CHIP	10K	5%	1/16W
R869	1-216-833-11	RES-CHIP	10K	5%	1/16W
R870	1-216-815-11	METAL CHIP	330	5%	1/16W
R871	1-216-817-11	METAL CHIP	470	5%	1/16W
R872	1-216-815-11	METAL CHIP	330	5%	1/16W
R873	1-216-821-11	METAL CHIP	1K	5%	1/16W
R909	1-216-809-11	METAL CHIP	100	5%	1/16W
R912	1-216-809-11	METAL CHIP	100	5%	1/16W
R915	1-216-809-11	METAL CHIP	100	5%	1/16W
R918	1-216-809-11	METAL CHIP	100	5%	1/16W
		< COMPOSITION CIRCUIT BLOCK >			
* RB001	1-233-270-11	NETWORK, RES (8 GANG)	10K		
* RB201	1-233-270-11	NETWORK, RES (8 GANG)	10K		
* RB202	1-233-270-11	NETWORK, RES (8 GANG)	10K		
* RB203	1-233-270-11	NETWORK, RES (8 GANG)	10K		
* RB204	1-233-270-11	NETWORK, RES (8 GANG)	10K		
* RB402	1-233-270-11	NETWORK, RES (8 GANG)	10K		
* RB601	1-233-270-11	NETWORK, RES (8 GANG)	10K		
		< VARIABLE RESISTOR >			
RV401	1-223-583-11	RES, ADJ, CARBON	1K		
		< VIBRATOR >			
X001	1-781-188-21	OSCILLATOR, CRYSTAL (27MHz)			
X201	1-781-185-21	VIBRATOR, CERAMIC (12.5MHz)			
**********					
	1-676-972-11	MIC BOARD (EA, MY, SP, HK, TH, TW, CH)			
		**********			
		< CAPACITOR >			
C1601	1-162-306-11	CERAMIC	0.01uF	30%	16V
C1602	1-126-961-11	ELECT	2.2uF	20%	50V
C1603	1-162-294-31	CERAMIC	0.001uF	10%	50V
C1604	1-162-215-31	CERAMIC	47PF	5%	50V
C1605	1-162-290-31	CERAMIC	470PF	10%	50V
C1606	1-126-959-11	ELECT	0.47uF	20%	50V
C1607	1-162-215-31	CERAMIC	47PF	5%	50V
C1608	1-162-282-31	CERAMIC	100PF	10%	50V
C1609	1-126-961-11	ELECT	2.2uF	20%	50V
C1610	1-126-964-11	ELECT	10uF	20%	50V
C1611	1-126-964-11	ELECT	10uF	20%	50V
C1612	1-162-306-11	CERAMIC	0.01uF	30%	16V
C1613	1-162-306-11	CERAMIC	0.01uF	30%	16V
C1614	1-164-159-11	CERAMIC	0.1uF		50V
		< EARTH TERMINAL >			
* EPT1601	1-537-738-21	TERMINAL, EARTH			
		< FERRITE BEAD >			
FB1601	1-412-473-21	INDUCTOR	0uH		
FB1602	1-412-473-21	INDUCTOR	0uH		
		< IC >			
IC1601	8-759-634-51	IC M5218AP			

MIC | OUT SW | PANEL

Ref. No.	Part No.	Description			Remark
		< JACK >			
J1601	1-793-829-11	JACK, HEADPHONE (MIC)			
		< RESISTOR >			
R1601	1-249-429-11	CARBON	10K	5%	1/4W
R1602	1-249-417-11	CARBON	1K	5%	1/4W
R1603	1-249-441-11	CARBON	100K	5%	1/4W
R1604	1-249-417-11	CARBON	1K	5%	1/4W
R1605	1-249-433-11	CARBON	22K	5%	1/4W
R1606	1-249-429-11	CARBON	10K	5%	1/4W
R1607	1-247-885-00	CARBON	180K	5%	1/4W
R1608	1-247-807-31	CARBON	100	5%	1/4W
		< VARIABLE RESISTOR >			
RV1601	1-227-171-11	RES, VAR CARBON 50K (MIC VOL)			
**********					
	1-675-725-11	OUT SW BOARD			
		**********			
		< CONNECTOR >			
* CN709	1-568-943-11	PIN, CONNECTOR 5P			
CN715	1-506-481-11	PIN, CONNECTOR 2P			
		< SWITCH >			
S701	1-771-218-11	SWITCH, MICRO (MID OUT)			
S702	1-771-218-11	SWITCH, MICRO (LID)			
S708	1-771-218-11	SWITCH, MICRO (OUT)			
**********					
	A-4473-011-A	PANEL BOARD, COMPLETE (US, CND, AEP, UK, E, MX, AR, AUS)			
	A-4473-023-A	PANEL BOARD, COMPLETE (EA, MY, SP, HK, TW)			
	A-4473-683-A	PANEL BOARD, COMPLETE (TH)			
	A-4473-851-A	PANEL BOARD, COMPLETE (CH)			
		**********			
	4-226-723-01	HOLDER (FL)			
	4-949-935-41	CUSHION (FL)			
		< CAPACITOR >			
C691	1-162-286-31	CERAMIC	220PF	10%	50V
C692	1-162-286-31	CERAMIC	220PF	10%	50V
C701	1-162-306-11	CERAMIC	0.01uF	30%	16V
C702	1-124-589-11	ELECT	47uF	20%	16V
C703	1-162-290-31	CERAMIC	470PF	10%	50V
C704	1-162-294-31	CERAMIC	0.001uF	10%	50V
C705	1-162-294-31	CERAMIC	0.001uF	10%	50V
C711	1-162-286-31	CERAMIC	220PF	10%	50V
C712	1-162-286-31	CERAMIC	220PF	10%	50V
C713	1-162-286-31	CERAMIC	220PF	10%	50V
C714	1-162-286-31	CERAMIC	220PF	10%	50V
C715	1-162-286-31	CERAMIC	220PF	10%	50V
C716	1-162-286-31	CERAMIC	220PF	10%	50V
C717	1-162-286-31	CERAMIC	220PF	10%	50V
C718	1-162-286-31	CERAMIC	220PF	10%	50V
C719	1-162-286-31	CERAMIC	220PF	10%	50V
C720	1-162-286-31	CERAMIC	220PF	10%	50V

Ref. No.	Part No.	Description			Remark
C721	1-162-286-31	CERAMIC	220PF	10%	50V
C722	1-162-286-31	CERAMIC	220PF	10%	50V
C723	1-162-286-31	CERAMIC	220PF	10%	50V
C724	1-162-286-31	CERAMIC	220PF	10%	50V
C725	1-162-286-31	CERAMIC	220PF	10%	50V
C726	1-162-286-31	CERAMIC	220PF	10%	50V
C727	1-162-286-31	CERAMIC	220PF	10%	50V
C728	1-162-286-31	CERAMIC	220PF	10%	50V
C731	1-124-261-00	ELECT	10uF	20%	50V
C732	1-124-261-00	ELECT	10uF	20%	50V
C751	1-162-306-11	CERAMIC	0.01uF	30%	16V
C752	1-124-589-11	ELECT	47uF	20%	16V
C755	1-162-306-11	CERAMIC	0.01uF	30%	16V
C756	1-126-157-11	ELECT	10uF	20%	16V
C757	1-162-290-31	CERAMIC	470PF	10%	50V
C761	1-162-306-11	CERAMIC	0.01uF	30%	16V
C762	1-126-157-11	ELECT	10uF	20%	16V
C763	1-124-259-11	ELECT	4.7uF	20%	16V
C764	1-162-303-11	CERAMIC	0.0033uF	30%	16V
C765	1-126-157-11	ELECT	10uF	20%	16V
C766	1-126-157-11	ELECT	10uF	20%	16V
C767	1-126-157-11	ELECT	10uF	20%	16V
C768	1-162-294-31	CERAMIC	0.001uF	10%	50V
C769	1-162-294-31	CERAMIC	0.001uF	10%	50V
		< CONNECTOR >			
CN701	1-784-733-11	CONNECTOR, FFC 11P			
CN702	1-785-334-11	PIN, CONNECTOR (LIGHT ANGLE) 8P			
CN703	1-785-337-11	PIN, CONNECTOR (LIGHT ANGLE) 11P			
CN704	1-785-333-11	PIN, CONNECTOR (LIGHT ANGLE) 7P			
		< DIODE >			
D601	8-719-058-04	LED SEL5223S-TP15 (I/⏻)			
D602	8-719-058-04	LED SEL5223S-TP15 (TIMER SELECT)			
D603	8-719-058-64	LED SEL5823A-TP15 (V-GROOVE)			
D604	8-719-058-64	LED SEL5823A-TP15 (DSP)			
D691	8-719-050-84	DIODE RB441Q-40T-72			
D755	8-719-911-19	DIODE 1SS133T-72			
D756	8-719-911-19	DIODE 1SS133T-72			
D761	8-719-911-19	DIODE 1SS133T-72			
D762	8-719-911-19	DIODE 1SS133T-72			
D763	8-719-911-19	DIODE 1SS133T-72			
		< INDUCTOR >			
FB701	1-412-473-21	INDUCTOR	0uH		
FB702	1-412-473-21	INDUCTOR	0uH		
		< FLUORESCENT INDICATOR TUBE >			
FL701	1-517-958-11	INDICATOR TUBE, FLUORESCENT			
		< IC >			
IC701	8-759-680-20	IC TMP88CS77AF-1A86			
IC702	8-749-011-05	IC GP1U28X			
IC703	8-759-663-65	IC M35501P			
IC704	8-759-083-77	IC BA3830F			

Ref. No.	Part No.	Description			Remark
		< TRANSISTOR >			
Q601	8-729-900-80	TRANSISTOR	BA1A4M-TP		
Q602	8-729-900-80	TRANSISTOR	BA1A4M-TP		
Q603	8-729-900-80	TRANSISTOR	BA1A4M-TP		
Q663	8-729-900-80	TRANSISTOR	BA1A4M-TP		
Q664	8-729-900-80	TRANSISTOR	BA1A4M-TP		
Q665	8-729-900-80	TRANSISTOR	BA1A4M-TP		
Q690	8-729-119-78	TRANSISTOR	2SC2785TP-HFE		
Q691	8-729-140-04	TRANSISTOR	2SB1116-TP-LK		
Q692	8-729-140-04	TRANSISTOR	2SB1116-TP-LK		
		< RESISTOR >			
R600	1-249-429-11	CARBON	10K	5%	1/4W
R601	1-249-410-11	CARBON	270	5%	1/4W
R602	1-249-411-11	CARBON	330	5%	1/4W
R603	1-249-413-11	CARBON	470	5%	1/4W
R604	1-249-414-11	CARBON	560	5%	1/4W
R605	1-249-415-11	CARBON	680	5%	1/4W
R606	1-249-417-11	CARBON	1K	5%	1/4W
R607	1-249-418-11	CARBON	1.2K	5%	1/4W
R620	1-249-429-11	CARBON	10K	5%	1/4W
R621	1-249-410-11	CARBON	270	5%	1/4W
R622	1-249-411-11	CARBON	330	5%	1/4W
R623	1-249-413-11	CARBON	470	5%	1/4W
R624	1-249-414-11	CARBON	560	5%	1/4W
R625	1-249-415-11	CARBON	680	5%	1/4W
R626	1-249-417-11	CARBON	1K	5%	1/4W
R627	1-249-418-11	CARBON	1.2K	5%	1/4W
R640	1-249-429-11	CARBON	10K	5%	1/4W
R655	1-249-429-11	CARBON	10K	5%	1/4W
R656	1-249-429-11	CARBON	10K	5%	1/4W
R671	1-249-414-11	CARBON	560	5%	1/4W
R672	1-249-414-11	CARBON	560	5%	1/4W
R673	1-249-409-11	CARBON	220	5%	1/4W
R674	1-249-409-11	CARBON	220	5%	1/4W
R693	1-249-437-11	CARBON	47K	5%	1/4W
R695	1-249-417-11	CARBON	1K	5%	1/4W
R696	1-249-437-11	CARBON	47K	5%	1/4W
R697	1-249-437-11	CARBON	47K	5%	1/4W
R698	1-249-417-11	CARBON	1K	5%	1/4W
R701	1-247-903-00	CARBON	1M	5%	1/4W
R702	1-249-401-11	CARBON	47	5%	1/4W
R703	1-249-401-11	CARBON	47	5%	1/4W
R704	1-249-425-11	CARBON	4.7K	5%	1/4W
R705	1-249-425-11	CARBON	4.7K	5%	1/4W
R706	1-249-429-11	CARBON	10K	5%	1/4W
R707	1-249-429-11	CARBON	10K	5%	1/4W
R708	1-249-429-11	CARBON	10K	5%	1/4W
R709	1-249-429-11	CARBON	10K	5%	1/4W
R710	1-249-429-11	CARBON	10K	5%	1/4W
R711	1-247-807-31	CARBON	100	5%	1/4W (EXCEPT TH)
R712	1-247-807-31	CARBON	100	5%	1/4W
R713	1-249-441-11	CARBON	100K	5%	1/4W
R714	1-249-441-11	CARBON	100K	5%	1/4W
R715	1-249-441-11	CARBON	100K	5%	1/4W
R716	1-249-441-11	CARBON	100K	5%	1/4W
R717	1-249-441-11	CARBON	100K	5%	1/4W
R718	1-249-441-11	CARBON	100K	5%	1/4W
R719	1-249-441-11	CARBON	100K	5%	1/4W
R720	1-249-441-11	CARBON	100K	5%	1/4W
R721	1-249-441-11	CARBON	100K	5%	1/4W
R722	1-249-441-11	CARBON	100K	5%	1/4W
R723	1-249-441-11	CARBON	100K	5%	1/4W
R724	1-249-441-11	CARBON	100K	5%	1/4W
R725	1-249-441-11	CARBON	100K	5%	1/4W
R726	1-249-441-11	CARBON	100K	5%	1/4W
R727	1-249-441-11	CARBON	100K	5%	1/4W
R728	1-249-441-11	CARBON	100K	5%	1/4W
R729	1-249-441-11	CARBON	100K	5%	1/4W
R730	1-249-441-11	CARBON	100K	5%	1/4W
R731	1-249-441-11	CARBON	100K	5%	1/4W
R732	1-249-441-11	CARBON	100K	5%	1/4W
R733	1-249-441-11	CARBON	100K	5%	1/4W
R734	1-249-429-11	CARBON	10K	5%	1/4W
R737	1-247-807-31	CARBON	100	5%	1/4W
R750	1-249-429-11	CARBON	10K	5%	1/4W
R755	1-249-417-11	CARBON	1K	5%	1/4W
R757	1-247-807-31	CARBON	100	5%	1/4W
R758	1-247-807-31	CARBON	100	5%	1/4W
R759	1-247-807-31	CARBON	100	5%	1/4W
R762	1-249-435-11	CARBON	33K	5%	1/4W
R763	1-247-895-00	CARBON	470K	5%	1/4W
R764	1-247-893-11	CARBON	390K	5%	1/4W
R765	1-247-893-11	CARBON	390K	5%	1/4W
R766	1-249-441-11	CARBON	100K	5%	1/4W
R767	1-249-441-11	CARBON	100K	5%	1/4W
R768	1-249-429-11	CARBON	10K	5%	1/4W (EA, MY, SP, HK, TH, TW, CH)
R769	1-249-440-11	CARBON	82K	5%	1/4W (EA, MY, SP, HK, TH, TW, CH)
R770	1-249-417-11	CARBON	1K	5%	1/4W (EA, MY, SP, HK, TH, TW, CH)
R771	1-249-433-11	CARBON	22K	5%	1/4W
R773	1-249-436-11	CARBON	39K	5%	1/4W
R774	1-249-420-11	CARBON	1.8K	5%	1/4W
R801	1-249-437-11	CARBON	47K	5%	1/4W
R802	1-249-437-11	CARBON	47K	5%	1/4W
R803	1-249-437-11	CARBON	47K	5%	1/4W
R804	1-249-437-11	CARBON	47K	5%	1/4W
R805	1-249-437-11	CARBON	47K	5%	1/4W
R806	1-249-437-11	CARBON	47K	5%	1/4W
R807	1-249-437-11	CARBON	47K	5%	1/4W
R808	1-249-437-11	CARBON	47K	5%	1/4W
R809	1-249-437-11	CARBON	47K	5%	1/4W
R810	1-249-437-11	CARBON	47K	5%	1/4W
R811	1-249-437-11	CARBON	47K	5%	1/4W
R812	1-249-437-11	CARBON	47K	5%	1/4W
R813	1-249-437-11	CARBON	47K	5%	1/4W
R814	1-249-437-11	CARBON	47K	5%	1/4W
R815	1-249-437-11	CARBON	47K	5%	1/4W
R816	1-249-437-11	CARBON	47K	5%	1/4W
R817	1-249-437-11	CARBON	47K	5%	1/4W

PANEL | SENSOR | SENSOR 2 | SUB PANEL

Ref. No.	Part No.	Description	Remark
		< SWITCH >	
S601	1-762-875-21	SWITCH, KEYBOARD (I/⏻)	
S602	1-762-875-21	SWITCH, KEYBOARD (DISPLAY)	
S603	1-762-875-21	SWITCH, KEYBOARD (FUNCTION)	
S604	1-762-875-21	SWITCH, KEYBOARD (SELECT)	
S605	1-762-875-21	SWITCH, KEYBOARD (RETURN)	
S606	1-762-875-21	SWITCH, KEYBOARD (PREVIOUS)	
S621	1-762-875-21	SWITCH, KEYBOARD (NEXT)	
S622	1-762-875-21	SWITCH, KEYBOARD (DSP)	
S623	1-762-875-21	SWITCH, KEYBOARD (V-GROOVE)	
S624	1-762-875-21	SWITCH, KEYBOARD (MODE SELECT)	
S625	1-762-875-21	SWITCH, KEYBOARD (TITLE)	
S626	1-762-875-21	SWITCH, KEYBOARD (DVD MENU)	
		< VIBRATOR >	
X701	1-781-312-11	VIBRATOR, CERAMIC (12.5MHz)	
**********			
	1-675-726-11	SENSOR BOARD	
		**********	
	4-964-461-02	HOLDER (SENSOR)	
		< CONNECTOR >	
CN708	1-506-481-11	PIN, CONNECTOR 2P	
		< LED >	
D704	8-719-055-84	LED GL528VS1 (DISC IN DETECT SENSOR)	
		< RESISTOR >	
R711	1-249-415-11	CARBON 680 5% 1/4W	
**********			
	1-675-727-11	SENSOR 2 BOARD	
		**********	
		< PHOTO TRANSISTOR >	
Q703	8-729-926-31	PHOTO TRANISTOR PT483F1	
**********			
	A-4473-013-A	SUB PANEL BOARD, COMPLETE (EXCEPT TH, CH)	
	A-4473-680-A	SUB PANEL BOARD, COMPLETE (TH)	
	A-4473-848-A	SUB PANEL BOARD, COMPLETE (CH)	
		**********	
		< CAPACITOR >	
C615	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C771	1-162-306-11	CERAMIC 0.01uF 30% 16V	
C772	1-162-306-11	CERAMIC 0.01uF 30% 16V	
		< LED >	
D605	8-719-058-64	LED SEL5823A-TP15 (SET UP MODE)	
D606	8-719-058-64	LED SEL5823A-TP15 (SOUND MODE)	
D607	8-719-058-64	LED SEL5823A-TP15 (PRO LOGIC)	
D608	8-719-058-64	LED SEL5823A-TP15 (DVD 5.1CH)	
D609	8-719-058-03	LED SEL5423E-TP15 (TAPE B ►)	
D610	8-719-058-03	LED SEL5423E-TP15 (TAPE B ◄)	
D611	8-719-058-03	LED SEL5423E-TP15 (TAPE A ►)	
D612	8-719-058-03	LED SEL5423E-TP15 (TAPE A ◄)	
D613	8-719-058-04	LED SEL5223S-TP15 (REC PAUSE/START)	
D615	8-719-072-82	LED SELU5E20C-STP15 (ILLUMINATION)	
D617	8-719-058-64	LED SEL5823A-TP15 (GROOVE-EX)	
D618	8-719-058-64	LED SEL5823A-TP15 (GROOVE)	
D652	8-719-056-13	LED SML79423C-TP15 (DVD ►II)	
		< EARTH TERMINAL >	
* ETP701	1-537-738-21	TERMINAL, EARTH	
		< TRANSISTOR >	
Q605	8-729-900-80	TRANSISTOR BA1A4M-TP	
Q607	8-729-900-80	TRANSISTOR BA1A4M-TP	
Q609	8-729-900-80	TRANSISTOR BA1A4M-TP	
Q611	8-729-900-80	TRANSISTOR BA1A4M-TP	
Q613	8-729-900-80	TRANSISTOR BA1A4M-TP	
Q615	8-729-900-80	TRANSISTOR BA1A4M-TP	
Q617	8-729-900-80	TRANSISTOR BA1A4M-TP	
Q652	8-729-900-80	TRANSISTOR BA1A4M-TP	
		< RESISTOR >	
R608	1-249-420-11	CARBON 1.8K 5% 1/4W	
R609	1-249-422-11	CARBON 2.7K 5% 1/4W	
R610	1-247-843-11	CARBON 3.3K 5% 1/4W	
R611	1-249-425-11	CARBON 4.7K 5% 1/4W	
R612	1-249-427-11	CARBON 6.8K 5% 1/4W	
R613	1-249-429-11	CARBON 10K 5% 1/4W	
R614	1-249-431-11	CARBON 15K 5% 1/4W	
R615	1-249-434-11	CARBON 27K 5% 1/4W	
R641	1-249-410-11	CARBON 270 5% 1/4W	
R642	1-249-411-11	CARBON 330 5% 1/4W	
R643	1-249-413-11	CARBON 470 5% 1/4W	
R644	1-249-414-11	CARBON 560 5% 1/4W	
R645	1-249-415-11	CARBON 680 5% 1/4W	
R646	1-249-417-11	CARBON 1K 5% 1/4W	
R647	1-249-418-11	CARBON 1.2K 5% 1/4W	
R648	1-249-420-11	CARBON 1.8K 5% 1/4W	
R649	1-249-422-11	CARBON 2.7K 5% 1/4W	
R650	1-247-843-11	CARBON 3.3K 5% 1/4W	
R651	1-249-425-11	CARBON 4.7K 5% 1/4W	
R652	1-249-427-11	CARBON 6.8K 5% 1/4W	
R675	1-249-409-11	CARBON 220 5% 1/4W	
R676	1-249-409-11	CARBON 220 5% 1/4W	
R677	1-249-409-11	CARBON 220 5% 1/4W	
R678	1-249-409-11	CARBON 220 5% 1/4W	
R679	1-249-409-11	CARBON 220 5% 1/4W	
R680	1-249-409-11	CARBON 220 5% 1/4W	
R681	1-249-409-11	CARBON 220 5% 1/4W	
R682	1-249-409-11	CARBON 220 5% 1/4W	
R683	1-249-409-11	CARBON 220 5% 1/4W	
R685	1-247-807-31	CARBON 100 5% 1/4W	
R687	1-249-409-11	CARBON 220 5% 1/4W	
R688	1-249-409-11	CARBON 220 5% 1/4W	
R691	1-249-409-11	CARBON 220 5% 1/4W	
R692	1-249-409-11	CARBON 220 5% 1/4W	
R752	1-249-401-11	CARBON 47 5% 1/4W	

Ref. No.	Part No.	Description			Remark
R753	1-247-807-31	CARBON	100	5%	1/4W
R754	1-247-807-31	CARBON	100	5%	1/4W
		< SWITCH >			
S607	1-762-875-21	SWITCH, KEYBOARD (HI-DUB)			
S608	1-762-875-21	SWITCH, KEYBOARD (REC PAUSE/START)			
S609	1-762-875-21	SWITCH, KEYBOARD (CD SYNC)			
S611	1-762-875-21	SWITCH, KEYBOARD (PRO LOGIC)			
S612	1-762-875-21	SWITCH, KEYBOARD (DVD 5.1CH)			
S613	1-762-875-21	SWITCH, KEYBOARD (GROOVE-EX)			
S614	1-762-875-21	SWITCH, KEYBOARD (GROOVE)			
S641	1-762-875-21	SWITCH, KEYBOARD (TAPE A ◄)			
S642	1-762-875-21	SWITCH, KEYBOARD (TAPE A ►)			
S643	1-762-875-21	SWITCH, KEYBOARD (TAPE B ◄)			
S644	1-762-875-21	SWITCH, KEYBOARD (TAPE B ►)			
S645	1-762-875-21	SWITCH, KEYBOARD (■)			
S646	1-762-875-21	SWITCH, KEYBOARD (DVD ►II)			
S647	1-762-875-21	SWITCH, KEYBOARD (TUNER/BAND)			
S649	1-762-875-21	SWITCH, KEYBOARD (►►)			
S650	1-762-875-21	SWITCH, KEYBOARD (◄◄)			
S651	1-762-875-21	SWITCH, KEYBOARD (►►I)			
S652	1-762-875-21	SWITCH, KEYBOARD (I◄◄)			
S701	1-772-502-11	CONTROLLER, JOY STICK (PUSH ENTER)			
S751	1-473-392-11	ENCODER, ROTARY (VOLUME)			
**********					
	1-676-976-11	SUB TRANS BOARD (US, CND, AEP, UK)			
		**********			
		< CAPACITOR >			
⚠C901	1-113-925-11	CERAMIC	0.01uF	20%	250V
C902	1-126-768-11	ELECT	2200uF	20%	16V
C903	1-126-933-11	ELECT	100uF	20%	16V
		< CONNECTOR >			
CN901	1-564-321-00	PIN, CONNECTOR 2P			
* CN902	1-564-321-21	PIN, CONNECTOR 2P			
CN903	1-785-330-11	PIN, CONNECTOR (LIGHT ANGLE) 4P			
		< DIODE >			
D901	8-719-024-99	DIODE 11ES2-NTA2B			
D902	8-719-024-99	DIODE 11ES2-NTA2B			
D903	8-719-024-99	DIODE 11ES2-NTA2B			
D904	8-719-024-99	DIODE 11ES2-NTA2B			
D906	8-719-911-19	DIODE 1SS133T-72			
		< IC >			
IC901	8-759-158-62	IC TA78057S			
		< TRANSISTOR >			
Q901	8-729-119-78	TRANSISTOR 2SC2785TP-HFE			
		< RESISTOR >			
R901	1-249-429-11	CARBON	10K	5%	1/4W
R902	1-249-441-11	CARBON	100K	5%	1/4W
		< RELAY >			
⚠RY901	1-755-276-11	RELAY, POWER			

Ref. No.	Part No.	Description			Remark
		< TRANSFORMER >			
⚠T901	1-435-210-11	TRANSFORMER, POWER (AEP, UK)			
⚠T901	1-435-209-11	TRANSFORMER, POWER (US, CND)			
**********					
	A-4428-632-A	SURR AMP BOARD, COMPLETE (AEP, UK)			
	A-4428-643-A	SURR AMP BOARD, COMPLETE (E, EA, MY, SP, HK, TW, MX, AR, AUS)			
	A-4428-994-A	SURR AMP BOARD, COMPLETE (US, CND)			
	A-4473-251-A	SURR AMP BOARD, COMPLETE (TH)			
	A-4473-831-A	SURR AMP BOARD, COMPLETE (CH)			
		**********			
		< CAPACITOR >			
C1001	1-126-963-11	ELECT	4.7uF	20%	50V (EXCEPT US, CND)
C1001	1-128-581-11	ELECT	4.7uF	20%	100V (US, CND)
C1002	1-162-286-31	CERAMIC	220PF	10%	50V
C1003	1-162-282-31	CERAMIC	100PF	10%	50V
C1004	1-104-664-11	ELECT	47uF	20%	10V
C1006	1-136-495-11	MYLAR	0.068uF	5%	50V
C1007	1-136-495-11	MYLAR	0.068uF	5%	50V
C1033	1-126-968-11	ELECT	100uF	20%	50V
C1034	1-126-968-11	ELECT	100uF	20%	50V
C1035	1-162-306-11	CERAMIC	0.01uF	30%	16V
C1036	1-162-306-11	CERAMIC	0.01uF	30%	16V
C1051	1-126-963-11	ELECT	4.7uF	20%	50V (EXCEPT US, CND)
C1051	1-128-581-11	ELECT	4.7uF	20%	100V (US, CND)
C1052	1-162-286-31	CERAMIC	220PF	10%	50V
C1053	1-162-282-31	CERAMIC	100PF	10%	50V
C1054	1-104-664-11	ELECT	47uF	20%	10V
C1056	1-136-495-11	MYLAR	0.068uF	5%	50V
C1057	1-136-495-11	MYLAR	0.068uF	5%	50V
C1081	1-126-963-11	ELECT	4.7uF	20%	50V (EXCEPT US, CND)
C1081	1-128-581-11	ELECT	4.7uF	20%	100V (US, CND)
C1082	1-162-286-31	CERAMIC	220PF	10%	50V
C1083	1-162-282-31	CERAMIC	100PF	10%	50V
C1084	1-104-664-11	ELECT	47uF	20%	10V
C1086	1-136-495-11	MYLAR	0.068uF	5%	50V
C1087	1-136-495-11	MYLAR	0.068uF	5%	50V
		< CONNECTOR >			
CN1001	1-691-767-11	PLUG (MICRO CONNECTOR) 5P			
* CN1002	1-691-774-11	PLUG (MICRO CONNECTOR) 12P			
		< DIODE >			
D1001	8-719-911-19	DIODE 1SS133T-72			
D1002	8-719-911-19	DIODE 1SS133T-72			
D1051	8-719-911-19	DIODE 1SS133T-72			
D1061	8-719-911-19	DIODE 1SS133T-72			
D1062	8-719-911-19	DIODE 1SS133T-72			
D1081	8-719-911-19	DIODE 1SS133T-72			

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

SURR AMP | TK

Ref. No.	Part No.	Description				Remark
		< EARTH TERMINAL >				
* EPT1001	1-537-738-21	TERMINAL, EARTH				
		< IC >				
IC1001	8-749-017-19	IC STK443-050				
		< TRANSISTOR >				
Q1001	8-729-140-84	TRANSISTOR	2SC1841TP-PAFAEA			
Q1051	8-729-140-84	TRANSISTOR	2SC1841TP-PAFAEA			
Q1061	8-729-119-76	TRANSISTOR	2SA1175-HFE			
Q1062	8-729-119-76	TRANSISTOR	2SA1175-HFE			
Q1063	8-729-900-36	TRANSISTOR	BA1F4M-TP			
Q1064	8-729-900-36	TRANSISTOR	BA1F4M-TP			
Q1081	8-729-140-84	TRANSISTOR	2SC1841TP-PAFAEA			
Q1091	8-729-140-84	TRANSISTOR	2SC1841TP-PAFAEA			
Q1092	8-729-119-78	TRANSISTOR	2SC2785TP-HFE			
		< RESISTOR >				
R1001	1-249-417-11	CARBON	1K	5%	1/4W	
R1002	1-249-438-11	CARBON	56K	5%	1/4W	
R1003	1-249-414-11	CARBON	560	5%	1/4W	
R1004	1-249-438-11	CARBON	56K	5%	1/4W	
⚠R1005	1-233-352-11	ENCAPSULATED COMPONENT				
R1006	1-249-417-11	CARBON	1K	5%	1/4W	
R1007	1-249-431-11	CARBON	15K	5%	1/4W	
R1008	1-249-441-11	CARBON	100K	5%	1/4W	
R1009	1-260-076-11	CARBON	10	5%	1/2W	
R1010	1-249-437-11	CARBON	47K	5%	1/4W	
⚠R1031	1-212-881-11	FUSIBLE	100	5%	1/4W	F
⚠R1032	1-212-881-11	FUSIBLE	100	5%	1/4W	F
⚠R1033	1-202-972-61	FUSIBLE	1	5%	1/4W	F
R1047	1-249-429-11	CARBON	10K	5%	1/4W	
R1051	1-249-417-11	CARBON	1K	5%	1/4W	
R1052	1-249-438-11	CARBON	56K	5%	1/4W	
R1053	1-249-414-11	CARBON	560	5%	1/4W	
R1054	1-249-438-11	CARBON	56K	5%	1/4W	
⚠R1055	1-233-352-11	ENCAPSULATED COMPONENT				
R1056	1-249-417-11	CARBON	1K	5%	1/4W	
R1057	1-249-431-11	CARBON	15K	5%	1/4W	
R1058	1-249-441-11	CARBON	100K	5%	1/4W	
R1059	1-260-076-11	CARBON	10	5%	1/2W	
R1060	1-249-438-11	CARBON	56K	5%	1/4W	
⚠R1061	1-215-889-00	METAL OXIDE	330	5%	2W	F
⚠R1062	1-215-889-00	METAL OXIDE	330	5%	2W	F
R1063	1-249-429-11	CARBON	10K	5%	1/4W	
R1064	1-249-429-11	CARBON	10K	5%	1/4W	
R1065	1-249-437-11	CARBON	47K	5%	1/4W	
R1066	1-249-437-11	CARBON	47K	5%	1/4W	
R1081	1-249-417-11	CARBON	1K	5%	1/4W	
R1082	1-249-438-11	CARBON	56K	5%	1/4W	
R1083	1-249-414-11	CARBON	560	5%	1/4W	
R1084	1-249-438-11	CARBON	56K	5%	1/4W	
⚠R1085	1-233-352-11	ENCAPSULATED COMPONENT				
R1086	1-249-417-11	CARBON	1K	5%	1/4W	
R1087	1-249-431-11	CARBON	15K	5%	1/4W	
R1088	1-249-441-11	CARBON	100K	5%	1/4W	
R1089	1-260-076-11	CARBON	10	5%	1/2W	
R1090	1-249-439-11	CARBON	68K	5%	1/4W	
R1091	1-249-441-11	CARBON	100K	5%	1/4W	
R1092	1-249-441-11	CARBON	100K	5%	1/4W	
R1093	1-249-439-11	CARBON	68K	5%	1/4W	
R1094	1-249-433-11	CARBON	22K	5%	1/4W	
		< RELAY >				
RY1061	1-515-920-11	RELAY (24V)				
RY1062	1-515-920-11	RELAY (24V)				
		< THERMISTOR (POSITIVE) >				
THP091	1-807-796-11	THERMISTOR				
**********						
	A-4725-157-A	TK BOARD, COMPLETE				
		**********				
		< CAPACITOR >				
C004	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C005	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C006	1-124-779-00	ELECT CHIP	10uF	20%	16V	
C007	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C008	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C009	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C010	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C011	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	
C012	1-124-779-00	ELECT CHIP	10uF	20%	16V	
C013	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	
C014	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	
C015	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	
C016	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C017	1-164-172-11	CERAMIC CHIP	0.0056uF	10%	25V	
C018	1-164-739-11	CERAMIC CHIP	560PF	5%	50V	
C019	1-164-172-11	CERAMIC CHIP	0.0056uF	10%	25V	
C020	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C021	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C022	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C023	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V	
C024	1-164-730-11	CERAMIC CHIP	0.0012uF	10%	50V	
C025	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V	
C026	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C027	1-164-217-11	CERAMIC CHIP	150PF	5%	50V	
C028	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C029	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C030	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C031	1-124-779-00	ELECT CHIP	10uF	20%	16V	
C032	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C033	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C034	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C035	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C036	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V	
C037	1-164-739-11	CERAMIC CHIP	560PF	5%	50V	
C038	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C039	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C040	1-162-969-11	CERAMIC CHIP	0.0068uF	10%	25V	
C041	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C043	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

Ref. No.	Part No.	Description			Remark
		< CONNECTOR >			
CN001	1-573-363-21	CONNECTOR, FFC/FPC 23P			
CN002	1-566-529-11	CONNECTOR, FPC (ZIF) 13P			
CN003	1-784-870-21	CONNECTOR, FFC (LIF (NON-ZIF)) 18P			
CN004	1-784-870-21	CONNECTOR, FFC (LIF (NON-ZIF)) 18P			
		< DIODE >			
D003	8-719-988-61	DIODE 1SS355TE-17			
		< IC >			
IC001	8-759-567-24	IC SSI33P3722			
		< COIL >			
L001	1-412-031-11	INDUCTOR CHIP 47uH			
		< TRANSISTOR >			
Q001	8-729-903-46	TRANSISTOR	2SB1132-T100-QR		
Q002	8-729-015-76	TRANSISTOR	UN5211-TX		
		< RESISTOR >			
R001	1-216-815-11	METAL CHIP	330	5%	1/16W
R002	1-216-809-11	METAL CHIP	100	5%	1/16W
R003	1-216-809-11	METAL CHIP	100	5%	1/16W
R004	1-216-837-11	METAL CHIP	22K	5%	1/16W
R005	1-216-013-00	METAL CHIP	33	5%	1/10W
R006	1-216-013-00	METAL CHIP	33	5%	1/10W
R007	1-216-841-11	METAL CHIP	47K	5%	1/16W
R008	1-216-797-11	METAL CHIP	10	5%	1/16W
R009	1-216-834-11	METAL CHIP	12K	5%	1/16W
R010	1-216-833-11	RES-CHIP	10K	5%	1/16W
R012	1-216-864-11	METAL CHIP	0	5%	1/16W
R014	1-216-864-11	METAL CHIP	0	5%	1/16W
R015	1-216-833-11	RES-CHIP	10K	5%	1/16W
R016	1-216-833-11	RES-CHIP	10K	5%	1/16W
R017	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R018	1-216-833-11	RES-CHIP	10K	5%	1/16W
R022	1-216-811-11	METAL CHIP	150	5%	1/16W
R023	1-216-820-11	METAL CHIP	820	5%	1/16W
R025	1-216-813-11	METAL CHIP	220	5%	1/16W
R026	1-216-864-11	METAL CHIP	0	5%	1/16W
R029	1-216-861-11	METAL CHIP	2.2M	5%	1/16W
**********					
	1-676-975-11	TRANS BOARD			
		**********			
	1-533-293-11	FUSE HOLDER			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S			
		< CONNECTOR >			
CN911	1-564-321-00	PIN, CONNECTOR 2P			(EXCEPT US, CND, AEP, UK)
* CN913	1-564-522-11	PLUG, CONNECTOR 7P			
* CN914	1-564-517-11	PLUG, CONNECTOR 2P			
		< FUSE >			
⚠F911	1-532-312-11	FUSE, GLASS CYLINDRICAL (DIA.5) (US)			

Ref. No.	Part No.	Description			Remark
⚠F911	1-532-505-31	FUSE (5A/250V)			(E, EA, MY, SP, HK, TW, MX, AR)
⚠F912	1-532-464-31	FUSE (2.5A/250V)			(E, EA, MY, SP, HK, TH, TW, AR, CH)
⚠F913	1-532-464-31	FUSE (2.5A/250V)			(E, EA, MY, SP, HK, TW, AR, AUS)
⚠F914	1-533-312-11	FUSE, GLASS CYLINDRICAL (DIA.5)			(10A/125V) (CND)
⚠F914	1-533-949-31	FUSE, CYLINDRICAL (TIME LUG) (T8A/250V)			(AEP, UK)
⚠F915	1-533-312-11	FUSE, GLASS CYLINDRICAL (DIA.5)			(10A/125V) (CND)
⚠F915	1-533-949-31	FUSE, CYLINDRICAL (TIME LUG) (T8A/250V)			(AEP, UK)
⚠F916	1-533-312-11	FUSE, GLASS CYLINDRICAL (DIA.5)			(10A/125V) (US, CND)
⚠F916	1-533-949-31	FUSE, CYLINDRICAL (TIME LUG) (T8A/250V)			(EXCEPT US, CND)
⚠F917	1-533-312-11	FUSE, GLASS CYLINDRICAL (DIA.5)			(10A/125V) (US, CND)
⚠F917	1-533-949-31	FUSE, CYLINDRICAL (TIME LUG) (T8A/250V)			(EXCEPT US, CND)
		< RESISTOR >			
⚠R911	1-219-120-11	FUSIBLE	0.15	5%	1/4W F
⚠R912	1-219-120-11	FUSIBLE	0.15	5%	1/4W F
⚠R913	1-219-119-81	FUSIBLE	0.1	5%	1/4W F
⚠R916	1-202-725-00	SOLID	3.3M	10%	1/2W (US, CND)
⚠R917	1-219-123-11	FUSIBLE	0.47	5%	1/4W F
		< SWITCH >			
⚠S911	1-771-291-11	SWITCH, POWER (VOLTAGE SELECTOR)			(E, EA, MY, SP, HK, TW, AR)
		< TRANSFORMER >			
⚠T902	1-435-475-11	TRANSFORMER, POWER (US, CND)			
⚠T902	1-435-391-11	TRANSFORMER, POWER (AEP, UK)			
⚠T902	1-435-392-11	TRANSFORMER, POWER			(EXCEPT US, CND, AEP, UK)
**********					
		MISCELLANEOUS			
		**********			
3	1-773-009-11	WIRE (FLAT TYPE) (15 CORE) (AEP, UK, CH)			
3	1-769-977-11	WIRE (FLAT TYPE) (13 CORE) (US, CND, E, EA, MX, HK, MY, SP, AR, TH, TW, MX, AR, AUS)			
4	1-693-481-11	TUNER (FM/AM) (US, CND)			
4	1-693-482-11	TUNER (FM/AM)			(EA, MY, SP, HK, TH, TW, MX, AR, AUS)
4	1-693-484-11	TUNER (FM/AM) (E)			
4	1-693-490-11	TUNER (FM/AM) (AEP, UK, CH)			
8	1-418-687-11	POWER BLOCK (US, CND)			
8	1-476-027-11	POWER BLOCK			(EA, MY, SP, HK, TH, TW, AUS, CH)
8	1-476-028-11	POWER BLOCK (AEP, UK)			
8	1-476-029-11	POWER BLOCK (E, MX, AR)			
69	1-769-938-11	WIRE (FLAT TYPE) (11 CORE)			
71	1-773-022-11	WIRE (FLAT TYPE) (15 CORE) (300mm)			
72	1-773-045-11	WIRE (FLAT TYPE) (17 CORE) (170mm)			
102	1-792-798-11	WIRE (FLAT TYPE) (17 CORE) (120mm)			

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

Ref. No.	Part No.	Description	Remark
⚠110	1-690-608-11	CORD, POWER (AUS)	
⚠110	1-777-070-11	CORD, POWER (CND)	
⚠110	1-777-071-51	CORD, POWER (AEP, UK, EA, MY, SP, HK, TW)	
⚠110	1-782-464-21	CORD, POWER (CH)	
⚠110	1-783-531-11	CORD, POWER (US)	
⚠110	1-783-941-21	CORD, POWER (AR)	
⚠110	1-791-901-11	CORD, POWER (E, TH, MX)	
⚠111	1-569-008-21	ADAPTOR, CONVERSION 2P (EA, MY, SP, TW)	
⚠112	1-770-019-11	ADAPTOR, CONVERSION PLUG 3P (UK, HK)	
116	1-792-799-11	WIRE (FLAT TYPE) (10 CORE)	
117	1-792-800-11	WIRE (FLAT TYPE) (23 CORE) (160mm)	
118	1-792-801-11	WIRE (FLAT TYPE) (13 CORE) (190mm)	
119	1-792-802-11	WIRE (FLAT TYPE) (17 CORE) (170mm)	
120	1-792-797-11	WIRE (FLAT TYPE) (18 CORE) (PLATE: BLUE)	
121	1-792-797-21	WIRE (FLAT TYPE) (18 CORE) (PLATE: WHITE)	
⚠240	8-820-081-09	OPTICAL PICK-UP KHM-220AAA	
FAN101	1-763-072-11	FAN, D.C.	
HP101	A-2004-778-A	BASE (A) ASSY, HEAD	
HRPE101	A-2004-779-A	BASE (B) ASSY, HEAD	
M1	X-3378-241-1	MOTOR ASSY (CAPSTAN/REEL)	
M701	X-4950-341-1	MOTOR (CLAMP) ASSY	(ELEVATOR UP/DOWN)
M702	X-4950-342-1	MOTOR (LOADING) ASSY	
S707	1-418-045-01	ENCODER, ROTARY	(DISC TRAY ADDRESS DETECT)
⚠T902	1-435-475-11	TRANSFORMER, POWER (US, CND)	
⚠T902	1-435-391-11	TRANSFORMER, POWER (AEP, UK)	
⚠T902	1-435-392-11	TRANSFORMER, POWER	(EXCEPT US, CND, AEP, UK)

****

****
HARDWARE LIST
****

#1	7-685-871-01	SCREW +BVTT 3X6 (S)	
#2	7-685-146-11	SCREW +P 3X8 TYPE2 NON-SLIT	
#3	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
#4	7-685-872-09	SCREW +BVTT 3X8 (S)	
#5	7-685-650-79	SCREW +BVTP 3X16 TYPE2 N-S	
#6	7-685-880-09	SCREW +BVTT 4X6 (S)	
#11	7-685-851-04	SCREW +BVTT 2X4 (S)	
#12	7-628-254-15	SCREW +PS 2.6X6	
#13	7-628-254-50	SCREW +PS 2.6X6	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

SS-VZ50MD/ZX10/ZX30AV/ZX50MD/ZX70DVD

SERVICE MANUAL

Photo: SS-ZX10

US Model
SS-ZX10/ZX50MD/ZX70DVD

Canadian Model
SS-ZX10/ZX30AV/ZX70DVD

AEP Model
UK Model
SS-ZX10/ZX30AV/ZX50MD/ZX70DVD

E Model
SS-VZ50MD/ZX50MD

Australian Model
SS-ZX30AV/ZX50MD

Tourist Model
SS-VZ50MD

This set is the speaker system in MHC-ZX10/ZX30AV/ZX70DVD, DHC-VZ50MD/ZX50MD.

SPECIFICATIONS

Speaker system	3-way, bass-reflex type, magnetically shielded type
Speaker units	
Woofer:	17 cm, cone type
Tweeter:	5 cm, cone type
Super Tweeter:	4 cm, cone type
Nominal impedance	8 ohms
Dimensions (w/h/d)	Approx. 250 x 375 x 285 mm
Mass	Approx. 5.5 kg net per speaker

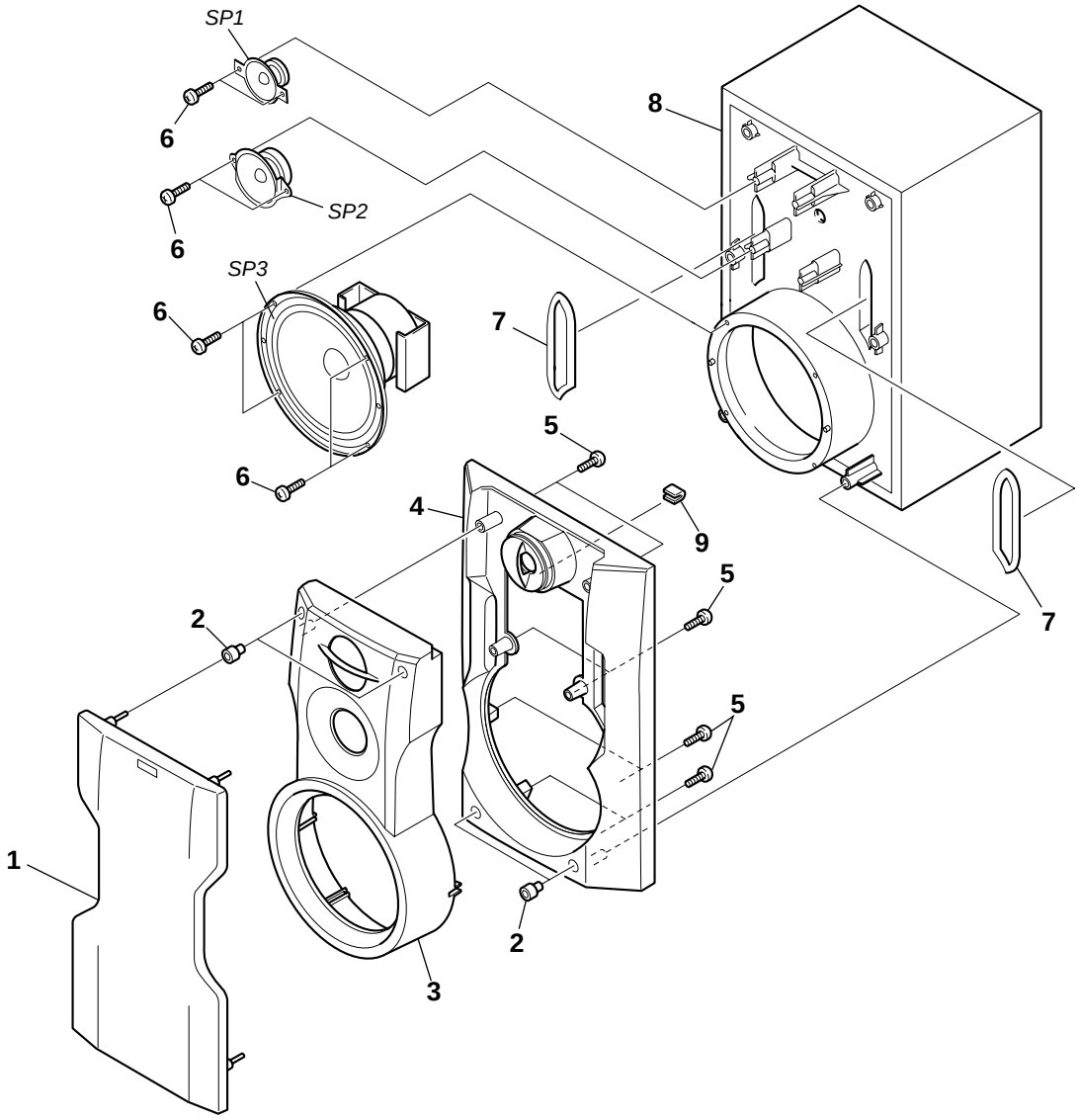
SPEAKER SYSTEM

SONY

EXPLODED VIEW AND PARTS LIST

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- Abbreviation
  G : German model
  AED : North European model



Ref. No.	Part No.	Description	Remark
1	A-4412-073-A	FRAME ASSY, GRILLE	
2	4-963-075-01	CATCH	
3	4-227-595-01	PANEL, ORNAMENTAL	
4	4-227-594-01	PANEL, FRONT	
5	7-685-162-01	SCREW +B 4X14, TAPPING	
6	4-874-614-01	SCREW (4) (3.5X14), TAPPING	
7	4-227-663-01	PACKING	
8	A-4412-154-A	CABINET ASSY, SPEAKER	
9	4-229-552-01	PACKING (TW)	
SP1	1-529-663-11	SPEAKER (4cm)	
SP2	1-529-665-11	SPEAKER (5cm)	
SP3	1-529-664-11	SPEAKER (ZX10,ZX50MD)	
SP3	1-529-668-11	SPEAKER (VZ50MD,ZX30AV,ZX70DVD)	

****

ACCESSORIES & PACKING MATERIALS
****

	1-558-848-11	CORD, SPEAKER	

SS-CT170/RC170/ RS170/RS170P

SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model
Chinese Model

Photo: SS-CT170

Photo: SS-RS170P

- SS-CT170/RC170/RS170P are the speaker system in MHC-VZ30AV/ZD70DVD/ZX30AV.
- SS-RS170 is the speaker sysytem in MHC-VZ10.

- The SS-RC170 system consists of one unit of SS-CT170 and two units of SS-RS170P.

SPECIFICATIONS

Rear Speaker (SS-RS170/RS170P):

Speaker system	1-way, 1-unit, bass-reflex type
Speaker units	
Full-range:	8 cm, cone type
Nominal impedance	8 Ω (RS170P) 16 Ω (RS170)
Dimensions (w/h/d)	Approx. 195 × 105 × 135 mm
Mass	Approx. 1.0 kg net per speaker

Center Speaker (SS-CT170):

Speaker system	1-way, 1-unit, bass-reflex type, magnetically shielded
Speaker units	
Full-range:	8 cm, cone type
Nominal impedance	8 Ω
Dimensions (w/h/d)	Approx. 220 × 105 × 135 mm
Mass	Approx. 1.1 kg net

Design and specifications are subject to change without notice.

SPEAKER SYSTEM

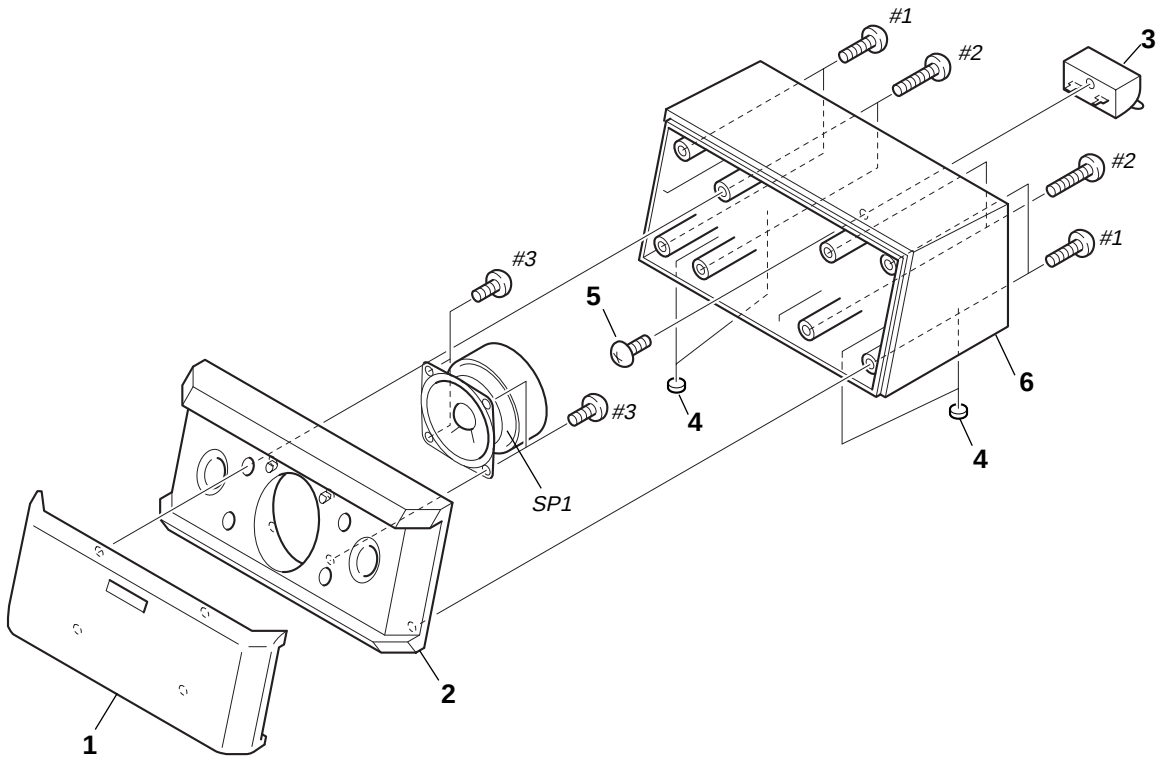
SONY®

EXPLODED VIEW AND PARTS LIST

NOTE:

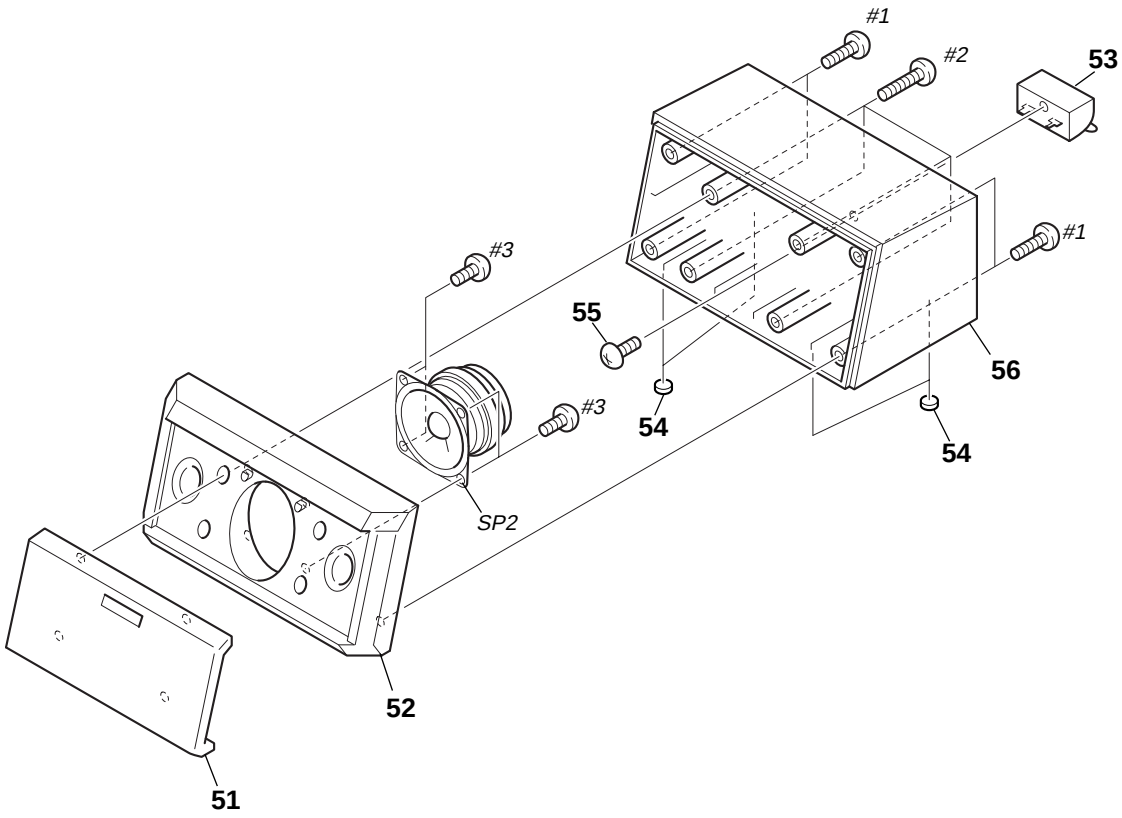
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

(1) SS-CT170



Ref. No.	Part No.	Description	Remarks
1	X-4952-724-2	FRAME(CN) ASSY, GRILLE	
2	4-227-264-01	PANEL(CN), FRONT	
3	1-537-775-12	TERMINAL BOARD	
4	4-982-339-21	FOOT	
5	4-224-542-01	SCREW(4X14)	
6	4-227-265-02	CABINET (CN)	
SP1	1-529-623-11	SPEAKER (8cm)	
#1	7-685-663-79	SCREW +P4X16 TYPE2 NON-SLIT	
#2	7-685-165-11	SCREW +P4X25 TYPE2 NON-SLIT	
#3	7-685-661-79	SCREW +P4X12 TYPE2 NON-SLIT	

(2) SS-RS170/RS170P



Ref. No.	Part No.	Description	Remarks
51	X-4952-725-1	FRAME (SR) ASSY, GRILLE (RS170)	
51	X-4952-725-3	FRAME (SR) ASSY, GRILLE (RS170P)	
52	4-227-259-01	PANEL (SR), FRONT	
53	1-537-775-12	TERMINAL BOARD	
54	4-982-339-11	FOOT (RS170)	
54	4-982-339-21	FOOT (RS170P)	
55	4-224-542-01	SCREW (4X14)	

Ref. No.	Part No.	Description	Remarks
56	X-4952-731-2	CABINET (SR) ASSY	
SP2	1-529-624-11	SPEAKER (8cm)(RS170P)	
SP2	1-529-625-11	SPEAKER (8cm)(RS170)	
#1	7-685-663-79	SCREW +P 4X16 TYPE2 NON-SLIT	
#2	7-685-665-79	SCREW +P 4X25 TYPE2 NON-SLIT (RS170)	
#2	7-685-165-11	SCREW +P 4X25 TYPE2 NON-SLIT (RS170P)	
#3	7-685-661-79	SCREW +P 4X12 TYPE2 NON-SLIT	

9-929-230-11

Sony Corporation
Audio Entertainment Group

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